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ASLIB BOOK-LIST

MONTHLY RECOMMENDATIONS OF
RECENTLY PUBLISHED
SCIENTIFIC AND TECHNICAL BOOKS

CALCUTTA UNIVERSITY CENTRAL LIBRARY

VOLUME XIV

1949

(3)

HON. EDITOR
D. V. ARNOLD

Aslib
4 PALACE GATE, LONDON, W. 8

PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved: over seventy specialist organizations are generously helping Aslib in this way.

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The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols:

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(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

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PUBLISHERS

A LIST of British publishers is enclosed with the first issue of each year. The following abbreviations are used in the *Aslib Book-list:*

A. & U.: Allen & Unwin.
C. & H.: Chapman and Hall.
C.U.P.: Cambridge University Press.
H.M.S.O.: His Majesty's Stationery Office.
L.G.: Longmans, Green.
McG.-H.: McGraw-Hill.
O. & B.: Oliver and Boyd.
O.U.P.: Oxford University Press.

WATERLOW & SONS LIMITED, LONDON WALL, LONDON.

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VOLUME 14. NUMBER I
JANUARY 1949
Nos. 1-82

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ASLIB BOOK-LIST

Volume 14. Number 1. January 1949

PSYCHOLOGY

J. Drever. The psychology of industry. *Methuen. 1947. pp.151. 7s. 6d.* 'For the general reader, with emphasis on principles rather than results.' *(C) 1*

SOCIAL SCIENCES

P.E.P. (Political and Economic Planning). British trade unionism; six studies. *P.E.P. 1948. pp.192. 15s.* *(C) 2*

ECONOMICS

Great Eritain. Central Office of Information. Government and industry; a survey of machinery for consultation and co-operation. *H.M.S.O. 1948. pp.32. (Central Office of Information handbook, No. 2.) 9d.* *(B) 3*

H. Myint. Theories of welfare economics. *L.G. 1948. pp.253, figs. (Publications of the London School of Economics.) 15s.* *(C) 4*

United Nations. Department of Economic Affairs. Economic report; salient features of the world economic situation, 1945-47. *New York: Columbia University Press; London: H.M.S.O. 1948. pp.xv.354. $2.50* or *12s. 6d. (B) 5*

[See also *22*]

COMMERCE

Waste trades manual and directory; the only directory and year-book of the world's waste material trade and reclamation industry. Edited by G. Hughes. Sponsored by The Waste Trade Federation. *British Continental Trade Press Ltd., 222 Strand, W.C.2. 1948. pp.346, tables. 20s.* *(D) 6*

[See also *61*]

MATHEMATICS

E. W. Hobson. The theory of spherical and ellipsoidal harmonics. Reprint. *C.U.P 1948. pp.vi.500. 42s.* 'The standard treatise on the subject. First reprint of the 1931 edition.' *(C) 7*

T. M. Macrobert. Functions of a complex variable. 3rd ed. *Macmillan. 1947. pp.390. 18s.* *(C) 8*

United States of America. National Bureau of Standards. Tables of the Bessel functions $Y_0(x)$, $Y_1(x)$, $K_0(x)$, $K_1(x)$ $0<x<1$. *Washington: Government Printing Office. 1948. pp.60. 35c.* *(D) 9*

ASTRONOMY

F. J. Hargreaves. The size of the universe. *West Drayton; Mddx.: Penguin Books. 1948. pp.175, illus. (Pelican Books A193.) 1s. 6d.* *(A) 10*

Sir H. S. Jones. A picture of the universe. *Raven Books Ltd., 226 Latymer Court, W.6. 1947. pp.88. 3s.* *(A) 11*

G. J. Porter. The night sky. *Winchester Publications Ltd., 16 Maddox St., W.1. 1948. pp.96, 30 diagrs. 5s.* *(A) 12*

W. M. Smart. Stellar dynamics. Reprint. *C.U.P. 1948. pp.434, diagrs., tables. 35s.* 'This is the first reprint to appear since the first edition was published in 1938.' *(C) 13*

[See also *15*]

PHYSICS

W. Hume-Rothery. Electrons, atoms, metals and alloys. *Louis Cassier. 1948. pp.377, diagrs., photographs. 25s.* *(C) 14*

L. Jánossy. Cosmic rays. *Oxford: Clarendon Press. 1948. pp.viii.424, 239 diagrs., 6 pls. (International series of monographs on physics.) 35s.* *(C) 15*

M. H. Pirenne. Vision and the eye. *Pilot Press. 1948. pp.xx.187, illus. (Frontiers of science series.) 12s. 6d.* 'Contains a concise account of basic facts about the eye and its properties and discusses recent researches into variation of visual acuity, colour vision, etc.' *(B) 16*

United States of America. National Bureau of Standards. Atomic energy levels as derived from the analyses of optical spectra, by C. E. Moore. *Washington: The Bureau. 1948. pp.75. (Circular 467.) 50c.* *(D) 17*

[See also *36*]

CHEMISTRY

C. E. H. Bawn. Chemistry of the high polymers. *New York: Interscience. 1948. pp.259. $4.50.* *(C) 18*

F. Feigl. Qualitative analysis by spot tests; inorganic and organic applications. 3rd rev. English ed., trans. by R. E. Oesper. *New York: Elsevier 1946; London: Cleaver-Hume Press, 42a South Audley St., W.1. 1948. pp.xvi.574, illus. $8 or 43s.* *(C) 19*

[See also *24, 55, 57, 65*]

GEOLOGY AND MINERALOGY

Eighteenth International Geological Congress. Symposium on the geology, paragenesis, and reserves of the ores of lead and zinc. *'Geological Survey,' Exhibition Road, South Kensington, S.W.7. 1948. pp.230. 15s.* *(C) 20*

J. B. MacElwane. When the earth quakes. *Milwaukee, Wis.: Bruce Publishing Co. 1947. pp.xi.288, illus.* $5. (*A*) *21*

P. M. Tyler. From the ground up; facts and figures of the mineral industries of the United States. *Mc.G.-H. 1948. pp.viii.248, illus.* $*3.50 or 21s.* (*A*) *22*

BIOLOGY

W. Beebe. The book of naturalists; an anthology of the best natural history. *Robert Hale. 1948. pp.xiv.499, pls. 15s.* 'From prehistoric depiction of animal life to the work of modern naturalists, the book covers general biological questions, flora and fauna in many parts of the world.' (*A*) *23*

A. Frey-Wyssling. Submicroscopic morphology of protoplasm and its derivatives. *New York: Elsevier; London: Cleaver-Hume, 42a South Audley St., W.1. 1948. pp.263, illus. (Elsevier's polymer series.)* $*6 or 32s. 6d.* (*C*) *24*

H. P. Ripley. Introduction to genetics and cytogenetics. *New York: Wiley; London: C. & H. 1948. pp.xii.596, illus.* $*5 or 30s.* (*C*) *25*

Society of American Bacteriologists. Bergey's manual of determinative bacteriology. 6th ed. by R. S. Breed and others. *Baltimore, Md.: Williams & Wilkins; London: Ballière. 1948. pp.xvi.1,529. (Microbiological monographs.)* $*15 or 55s.* (*C*) *26*

A. Szent-Györgyi. Nature of life; a study on muscle. *New York: Academic Press. 1948. pp.91, illus.* $*3.* (*C*) *27*

[See also *16, 30, 55, 57*]

BOTANY

W. C. Easdale. Cultivated species of primula. *Berkeley and Los Angeles, California: University of California Press. 1948. pp.xii.284. 8 figs., 42 photographs.* $*7.50.* (*A*) *28*

L. J. Klotz and H. S. Fawcett. Color handbook of citrus diseases. 2nd ed. rev. and enl. *Berkeley and Los Angeles: University of California Press. 1948. pp.119, 144 illus., 51 coloured pls.* $*6.50.* (*B*) *29*

K. M. Smith. Plant viruses. 2nd ed. rev. *Methuen. 1948. pp.ix.78, 3 figs. 8 pls. 5s.* 'This entirely rewritten edition is now based upon a short course of lectures given annually in the Botany School in the University of Cambridge. Intended for students without previous knowledge of viruses.' (*B*) *30*

ZOOLOGY

C. L. Barrett. Australian bird life. *O.U.P. 1948. pp.239, 47 illus. (including 7 in colour).* $*3.25 or 8s. 6d. or* $*3 (Toronto).* (*B*) *31*

R. Bedichek. Adventures with a naturalist. *Gollancz. 1948. pp.258, illus. 12s. 6d.* 'Observations of animal life. Contains good woodcut illustrations.' (*A*) *32*

A. C. Bent. Life histories of North American nuthatches, wrens, thrashers, and their allies. Order *passeriformes. Washington: Smithsonian Institution. 1948. pp.xii.475.* (*Bulletin of the United States National Museum, No. 195.*) *$1.75.* (*B*) *33*

B. M. Harrison. The dissection of the cat; a laboratory manual. *St. Louis, Mo.: Mosby. 1948. pp.109, illus. $3.50.* (*B*) *34*

C. L. B. Hubbard. Dogs in Britain. *Macmillan. 1948. pp.xii.471, illus. 21s. or $5.25 (Toronto).* (*A*) *35*

HYGIENE

[See *55, 57, 75*]

ENGINEERING

General

M. M. Frocht. Photoelasticity. Vol. 2. *New York: Wiley; London: C.& H. 1948. pp.xvii.505, illus. $10 or 60s.* 'Includes fundamental principles of elasticity, treats two-dimensional problems; gives numerical methods for the solution of Laplace's equation, and deals with theory and technique of three-dimensional photoelasticity, with applications to stress concentrations.' (*C*) *36*

J. S. Murphy. Production engineering; practical methods of production and control. Published for 'Machine Shop Magazine.' *L. Cassier. 1948. pp.226, 99 illus. 12s. 6d.* (*B*) *37*

L. St. L. Pendred. British engineering societies. Published for the British Council. *L.G. 1947. pp.vii.38, 11 pls. 1s. 6d.* 'On the Institutions of Civil, Mechanical and Electrical Engineers.' (*A*) *38*

Automobile

S. Abbey. The Ford eight handbook; a complete guide for owners and prospective purchasers. 4th rev. ed. *Pitman. 1948. pp.vii.128, 69 illus.* (*Motorists' library.*) *4s. 6d.* (*A*) *39*

Autocar handbook. 20th ed. 'The Autocar' [journal]. *Iliffe. 1948. pp.242, illus. 5s.* (*A*) *40*

R. W. Bent. Motor vehicle technology; an introductory textbook of automobile engineering. Part 2. *Pitman. 1948. pp.vii.158, illus. 8s. 6d.* [The first part of this work was published in 1946.] (*C*) *41*

A. W. Judge. Automobile engine overhaul; a practical handbook for service and maintenance engineers and all car owners. 3rd ed. *Pitman. 1948. pp.iv.234, illus. 8s. 6d.* (*B*) *42*

ELECTRICAL

P. Kemp, *ed.* General electrical engineering; a comprehensive introduction for students, apprentices and all connected with the electrical engineering industry. *Odhams Press, 24 Henrietta St., W.C.2. 1947. pp.448. 9s. 6d.* 'A survey of the practical applications of electricity in communications and in industrial processes, which include installation work.' *(B) 43*

F. C. Raphael. Electric wiring of buildings. 2nd ed. *Pitman. 1948. pp.xii.353. 20s.* 'On elementary principles and practice of wiring for power, heating and lighting.' *(B) 44*

M. G. Say. The performance and design of alternating current machines. 2nd ed. *Pitman. 1948. pp.636, illus. (Engineering degree series.) 21s.* *(C) 45*

W. Wilson. The cathode ray oscillograph in industry. 3rd ed. *C. & H. 1948. pp.252, illus. 18s.* 'A slightly revised edition with a chapter on the electron microscope.' *(C) 46*

[See also *66, 69*]

ELECTRICAL COMMUNICATIONS

J. S. Hall. Radio aids to navigation. *Mc.G.-H. 1947. pp.389. 30s.* *(C) 47*

W. E. Miller. Television explained. 2nd ed. *Trader Publishing Co., Dorset House, Stamford St., S.E.1. 1948. pp.52, 58 illus. 3s. 6d.* *(A) 48*

MARINE

Sir W. Abell. Shipwright's trade. *C.U.P. 1948. pp.xiv.220, frontispiece, 58 figs., 19 pls. 21s.* 'The development of shipbuilding from the ancient river ships of Egypt to the mass production of today.' *(A) 49*

F. G. Fassett, jr., *ed.* The shipbuilding business in the United States of America. *New York: Society of Naval Architects and Marine Engineers. 1948. Vol. 1. pp.324; vol. 2: pp.255. $14.* 'On the administrative aspects of shipbuilding. The first volume covers yard history, statistics, yard lay-out and organization, and labour and wage systems. The second volume covers contracts, planning, estimating, costing and accounting.' *(C) 50*

MECHANICAL

C. W. Ham and E. J. Crane. Mechanics of machinery. 3rd ed. *McG.-H. 1948. pp.538. $5 or 30s.* 'This revised and enlarged edition includes new matter on cams and gears, flywheels and governors, balancing aircraft engines, critical speed of shafts, and on gyroscopic action. Numerous problems are set.' *(C) 51*

R. H. Parsons. History of the Institution of Mechanical Engineers. *The Institution. 1947. pp.299. 15s. 6d.* 'Published on the occasion of the centenary of the Institution.' *(A) 52*

[See also *71, 73*]

RAILWAY

E. R. Wethersett and L. L. Asher. Locomotives of the L.N.E.R.; a pictorial record. *Cambridge: W. Heffer. 1947. pp.122, illus. 7s. 6d.* *(A) 53*

AGRICULTURE

General

E. F. Hurt. Sunflower for food, fodder and fertility; its economic value, world expansion and cultivation with particular application to Great Britain. 2nd ed. *Faber. 1948. pp.175, 9 figs., 20 pls. 10s. 6d.* (*A*) *54*

Dairy Farming

American Public Health Association and Association of Official Agricultural Chemists. Standard methods for the examination of dairy products; microbiological, bioassay, and chemical. 9th ed. *New York: The Association. 1948. pp.xxi.373. $8.* (*C*) *55*

H. Hill. Pasteurisation. 2nd ed. *H. K. Lewis. 1947. pp.viii.296, illus. 21s.* (*B*) *56*

L. M. Lampert. Milk and dairy products; their composition, food value, chemistry, bacteriology, and processing. *New York: Chemical Publishing Co. 1947; London: Food Trade Press. 1948. pp.v.291, illus. $7 or 36s.* (*B*) *57*

Horticulture

[See *29*]

INDUSTRIAL ORGANIZATION

P. S. Florence and W. Baldamus. Investment, location and size of plant. *C.U.P. 1948. pp.211. 18s.* 'An hypothesis that there is a relationship between the size of an industry's plant and its location pattern. British and American industries are compared.' (*C*) *58*

F. J. Hyam Increasing laundry output; motion economy as applied to the laundry industry. *'Power Laundry,' Trader Publishing Co. Ltd., Dorset House, Stamford St., S.E.1. 1947. pp.152. 10s. 6d.* (*C*) *59*

J. C. Langdon. The principles of machine accounting. *Pitman. 1947. pp.96. 15s.* 'A practical work on application and adaptability of machine methods arranged in three parts: (*a*) actual accounting; (*b*) analysis methods to suit varying conditions; (*c*) application of analysis methods and the machine recording of the results obtained when applied to costing.' (*C*) *60*

[See also *1*, *50*]

CHEMICAL TECHNOLOGY

Power laundry directory and year book, 1948; a legal, technical and buying guide to the laundry and dry-cleaning industries. *Trader Publishing Co. Ltd., Dorset House, Stamford St., S.E.1. 1948. pp.308. 15s. (Overseas 17s. 6d. post free.)* (*D*) *61*

[See also *59*]

FOOD TECHNOLOGY

T. A. Oxley. The scientific principles of grain storage. *Liverpool: Northern Publishing Co. 1948. pp.v.103, 2 graphs. 8s. 6d.* (*B*) *62*

[See also *56*, *57*]

METALLURGY

H. Brown and others. Aluminium and its applications. *Pitman. 1948. pp.338. 32s.* (*B*) *63*

F. Koenigsberger. Design for welding in mechanical engineering. *L.G. 1948. pp.vi.210, illus., folding pls. 18s.* (*C*) *64*

Pittsburgh International Conference on Surface Reactions. June 7–11, 1948, papers presented. *Pittsburgh, 12, Pa.: Corrosion Publishing Co. 1948. pp.236. $10.* (*C*) *65*

S. Wernick. Electrolytic polishing and bright plating of metals; with a foreword by U. R. Evans. *Alvin Redman Ltd., 4 Fitzroy St., Fitzroy Sq., W.1. 1948. pp.243, illus. 30s.* (*C*) *66*

[See also *14, 20*]

MANUFACTURES

Leather

British Leather Manufacturers' Research Association. Progress in leather science 1920–1945. *The Association. Vol. 1: 1946; vol. 2:* 1947; *vol. 3: 1948. pp.705, illus. Prices can only be quoted on application.* 'This work is only obtainable direct from the B.L.M.R.A.' (*C*) *67*

Scientific Instruments

D. de Carle. British time. *C. Lockwood. 1947. pp.199, illus. 15s.* 'A book about clocks, observatories, time signals, etc.' (*A*) *68*

G. W. Stubbings. Industrial electrical instruments. *Manchester: Emmott. 1947. pp.22. 1s. 6d.* (*C*) *69*

[See also *46*]

Textiles

H. P. Curtis. Testing of yarns and fabrics. 4th ed. *Pitman. 1948. pp.viii.241, illus. 10s. 6d.* (*B*) *70*

Wood

J. R. Foyster. Modern mechanical saw practice. *C. Lockwood. 1947. pp.273. 18s.* 'On saw maintenance, application of science to sawing, and on new methods of using saws.' (*C*) *71*

R. Hooper. Woodcraft in design and practice. 2nd ed. *Batsford. 1948. pp.viii. 160, illus. 18s.* 'On joinery and cabinet work.' (*B*) *72*

H. R. Hudson. Woodworking machinery; a comprehensive survey for woodworking machinists, foremen and executives. 2nd ed. *Newnes. 1948. pp.147, illus. 10s. 6d.* (*C*) *73*

BUILDING

Building Industries National Council. Building congresses; Fourth building congress, Folkestone, 1947; report of the proceedings. *The Council. 1947. pp.142. 2s.* (*B*) *74*

HEATING, VENTILATING AND AIR CONDITIONING

Heating, ventilating and air conditioning guide, 1948. Vol. 26. *New York: American Society of Heating and Ventilating Engineers. 1948. pp.1,424. $7.50.* 'Among the subjects revised in this issue are steam heating, automatic control, fans, spray apparatus and drying.' *(C) 75*

R. W. Shoemaker. Radiant heating. *McG.-H. 1948. pp.ix.306, illus. $4 or 24s.* *(C) 76*

[See also *44*]

TOWN AND COUNTRY PLANNING

Great Britain. Central Housing Advisory Committee; Sub-Committee on the Means of Improving the Appearance of Local Authority Housing Estates. The appearance of housing estates; report. *H.M.S.O. 1948. pp.27. 6d.* *(B) 77*

ARCHITECTURE

J. H. Abel and F. N. Severud. Apartment houses; with special chapters contributed by C. Strock and others. *New York: Reinhold. 1947; London: C.& H. 1948. pp.vii.280, 400 illus. (Progressive architecture library.) $10 or 60s.* *(B) 78*

Pilgrim Trust. Recording Britain. Vol. 3: Lancashire and Westmorland. Derbyshire; Cheshire and Shropshire; Staffordshire; Welsh Counties; Worcestershire; Herefordshire; Oxfordshire; Gloucestershire. Edited by A. Palmer. *O.U.P. 1948. pp.ix.227, pls. 105s. (set of four parts).* 'Volumes 1 and 2 of this work appeared in 1947.' *(B) 79*

J. F. Smith, G. Hemm and A. E. Shennan. Liverpool; past and present. *Liverpool: Northern Publishing Co. 1948. pp.vii.82, illus. 12s. 6d.* *(B) 80*

G. Yazdani. Bidar; its history and monuments. *O.U.P. 1948. pp.xv.240, 130 pls. $45 or 100s.* *(B) 81*

PHOTOGRAPHY

R. F. E. Miller. Practical photomicrography. *Percival Marshall. 1948. pp.102, illus. 5s.* *(A) 82*

PUBLISHERS

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L.G. : Longmans, Green
McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
O.U.P. : Oxford University Press

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

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DOCUMENTATION

R. O. Kapp. Presentation of technical information. *Constable. 1948. pp.147. 6s.* 'A useful guide for technical authors, based upon four lectures delivered in 1947.' *(C) 83*

Royal Society Scientific Information Conference; 21 June—2 July, 1948. Report and papers submitted. *The Society. 1948. pp.723. 25s. (Inland postage 1s.)* *(C) 84*

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United Nations. Atomic Energy Commission. An international bibliography on atomic energy. Vol. 2: Scientific aspects; part III: The biological and medical effects of high energy radiation; part IV: Isotopes in biology and medicine. Preliminary ed. *Lake Success, N.Y.: Secretariat of the United Nations. 1948. pp.11. Rest unpaginated. Items: 4000-7981. (Document No. AEC/INF/9.) (Mimeographed.) Gratis.* [Single copies are obtainable free of charge.] *(D) 85*

STATISTICS

A. J. H. Morrell. An introduction to index numbers. *H. F. L. (Publishers) Ltd., 29 Mincing Lane, E.C.3. 1948. pp.48. 4s. 6d.* [The contents are incorporated in the 9th edition of *Statistics and their application to commerce*, by A. Lester Boddington, Chapters IX and X.] *(B) 86*

[See also *139, 144*]

ECONOMICS

A. Beacham. Economics of industrial organization. *Pitman. 1948. pp.171. 12s. 6d.* [On the structure of British industry as a whole.] *(B) 87*

M. V. Divatia and H. M. Trivedi. Industrial capital in India. *Bombay: Tripathi. 1947. pp.viii.91. Rs.5.* *(C) 88*

S. E. Harris, *ed.* The new economics; Keynes's influence on theory and public policy. *Dobson. 1948. pp.48. 30s.* *(C) 89*

C. M. Schmitthoff. The export trade; a manual of law and practice. *Stevens. 1948. pp.381. 17s. 6d.* 'A manual of law and practice, customs and traditions of export.' *(C) 90*

O. Smith. Index to the Companies Act, 1948. *Jordan & Sons Ltd. 1948. pp.62. 5s.* [An index referring to sections and schedules of the Act, as well as page numbers.] *(D) 91*

W. Ward and H. Harfield. Bank credits and acceptances in international and domestic trade. 3rd ed. *New York: Ronald Press. 1948. pp.ix.243.* $*4.50.* [A summary of American banking practice and transactions deriving from it.] (*C*) *92*

EDUCATION

Sir F. Clarke. Freedom in the educative society. *University of London Press. 1948. pp.104. 4s. 6d.* [An analysis of cultural and social conditions with a view to the future level of economic efficiency.] (*A*) *93*

P. Jephcott. Rising twenty. *Faber. 1948. pp.200. 8s. 6d.* 'A study of the lives, thought and social background of a selection of adolescent girls employed mainly in factories, shops, and laundries. Emphasises the need to create a demand for further education.' (*A*) *94*

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DICTIONARIES

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MATHEMATICS

C. G. Nobbs. Elementary calculus and co-ordinate geometry. Part 1. *O.U.P. 1948. pp.255. 12s. 6d.* 'An introductory textbook for schools.' (*B*) *95*

D. E. Rutherford. Substitutional analysis. *Edinburgh: University of Edinburgh Press. 1948. pp.xi.103. 25s.* 'Based on the fundamental researches of Alfred Young.' (*C*) *96*

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ASTRONOMY

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GEODESY

C. A. Hart. Modern influences on the university aspect of professional training on surveying; an inaugural lecture [at] University College, London. *H. K. Lewis. 1948. pp.i.23. 2s. 6d.* (*C*) *97*

PHYSICS

F. Brailsford. Magnetic materials. *Methuen. 1948. pp.165, illus.* (*Methuen's monographs on physical subjects.*) *6s.* (*B*) *98*

K. J. Habell and A. Cox. Engineering optics. *Pitman. 1948. pp.411, illus. 35s.* 'Optical methods and instruments used in precise engineering measurement.' (*C*) *99*

J. B. Hoag. Electron and nuclear physics. 3rd. ed. rev. by S. A. Korff. *New York: Van Nostrand; London: Macmillan. 1948. pp.xi.522.* $*5 or 27s. 6d.* (*B*) *100*

Sir J. Jeans. The mathematical theory of electricity and magnetism. 5th ed. *C.U.P. 1948. pp.652. 25s.* 'Includes a new chapter on the electrical structure of matter, which forms an introduction to the quantum theory. A concise exposition of the theory of relativity is also given.' *(C) 101*

[See also *111*]

CHEMISTRY

J. Honeyman. An introduction to the chemistry of carbohydrates. *O.U.P 1948. pp.152. 15s.* *(B) 102*

MINERALOGY

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BIOLOGY

R. L. Knight. Dictionary of genetics. *Waltham, Mass.: Chronica Botanica. 1948. pp.183. $4.50.* 'Includes terms used in cytology, animal breeding and evolution.' *(D) 103*

[See also *85, 106, 112*]

BOTANY

H. J. Riddelsdell, G. W. Hedley and W. R. Price, *eds.* Flora of Gloucestershire. *Cheltenham, Glos.: The Cotteswold Naturalists' Field Club. 1948. pp.849, 6 maps, 44 pls. 42s.* *(A) 104*

W. B. Turrill. British plant life. *Collins. 1948. pp.xvii.315, diagrs., pls., 8 maps. (New naturalist series.) 21s.* 'First botanical volume in the series; contains beautiful coloured photographs.' *(B) 105*

[See also *136*]

ZOOLOGY

L. R. Brightwell, *ed.* Buckland's curiosities of natural history. *Batchworth Press, Ltd., 72 Fleet St., E.C.4. 1948. pp.xviii.177, 23 illus. 10s. 6d.* 'A selection from the works of Francis Trevelyan Buckland, edited and illustrated by L. R. Brightwell.' *(A) 106*

H. Hargreaves. List of recorded cotton insects of the world. *Commonwealth Institute of Entomology. 1948. pp.50. 5s.* *(D) 107*

G. F. Hervey and J. Hems. The goldfish. *Batchworth Press, Ltd., 72 Fleet St., E.C.4. 1948. pp.xiv.232, illus. 21s.* 'Contains 30 plates, three of which are coloured, and 57 line drawings by A. Fraser Brunner.' *(A) 108*

H. E. Howard. Territory in bird life; new ed., with an introduction by J. Huxley and J. Fisher; illus. by G. E. Lodge and H. Grönvold. *Collins. 1948. pp.224, 11 pls. $3.25 (Toronto) or 10s. 6d.* *(B) 109*

L. H. Newman. Butterfly haunts. *C. & H. 1948. pp.160, 128 illus. 21s. (A) 110*

G. W. Pierce. Songs of insects; with related material on the production, propagation, detection and measurement of sonic and supersonic vibrations. *Cambridge, Mass.: Harvard University Press; London: O.U.P. 1948. pp.viii.329, illus. $5 or 27s. 6d.* *(B) 111*

A. F. Shull. Heredity. 4th ed. *McG.-H. 1948. pp.ix.311, illus. (McGraw-Hill publications in the zoological sciences.) $4 or 24s.* *(B) 112*

R. B. Swain. Insect guide; orders and major families of North American insects; with illustrations by S. N. Swain. *New York: Doubleday. 1948. pp.xlvi.261, illus. $3.* *(A) 113*

ENGINEERING

General

P. S. Houghton. Metal cutting tools. *C. & H. 1948. pp.283, illus. 25s.* 'A book of up-to-date information for the production engineer, serving as both text and reference book.' *(C) 114*

W. F. Walker. Form tools; a guide to design. *Hutchinson. 1948. pp.300, illus. 25s.* 'A comprehensive description of the application of form tools on the lathe. The matter originally appeared as a series of articles in *Edgar Allen News.*' *(C) 115*

[See also *99*]

Civil

H. R. Reynolds and P. Protopapadakis. Practical problems in soil mechanics. *C. Lockwood. 1948. pp.205. 18s.* 'A series of articles which appeared in *Civil Engineering* in 1946 and 1947. Omitting mathematics and the analytical approach as far as possible, the authors have condensed the essential features of the subject for the practising engineer and student.' *(C) 116*

E. E. Seeley. Field practice. *New York: Wiley; London: C. & H. 1947. pp.306. $4.50 or 27s.* 'This is the third volume of the Data book for civil engineers.' *(C) 117*

D. W. Taylor. Fundamentals of soil mechanics. *New York: Wiley; London: C. & H. 1948. pp.xii.700. $6 or 36s.* *(C) 118*

K. Terzaghi and R. B. Peck. Soil mechanics in engineering practice. *New York: Wiley; London: C. & H. 1948. pp.xviii.566, illus. $5.50 or 35s.* *(C) 119*

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Electrical

P. A. Borden and G. M. Thynell. Principles and methods of telemetering. *New York: Reinhold; London: C. & H. 1948. pp.230. $4.50 or 27s.* 'A book on remote indication or recording of variable measurements. Types and systems, mostly electrical, are described. Includes a bibliography, a list of trade names and one on patents in this and allied fields.' *(C) 120*

H. H. Broughton. Electric winders. Rev. ed. *E. & F. N. Spon. 1948. pp.451. 63s.* 'The completely rewritten edition of an important reference work on the design, construction and application of winding engines and mine hoists.' *(C) 121*

E. W. Golding. Electrical measurements and measuring instruments; a textbook covering the syllabuses of the B.Sc. Engineering, City and Guilds (Final) and I.E.E. examinations in this subject. 3rd ed. rev. and enl. *Pitman. 1948. pp.xii.528. illus. 25s.* *(C) 122*

Westinghouse Electric Corporation. Industrial electronics reference book. *New York: Wiley; London: C. & H. 1948. pp.680, illus. $7.50 or 45s.* 'A comprehensive treatment by a group of 37 engineers, with clear illustrations and excellent bibliographies attached to some chapters; that on the electron microscope contains 199 items.' *(C) 123*

Electrical Communications

J. Atkinson. Telephony. Vol. 1; General principles and manual exchange systems. *Pitman. 1948. pp.513. 35s.* 'This is the thoroughly revised and extended edition of the standard textbook of T. E. Herbert and W. S. Proctor's *Telephony*.' *(C) 124*

Hydraulic

H. W. King, C. O. Wilson and J. G. Woodburn. Hydraulics. 5th ed. *New York: Wiley; London: C. & H. 1948. pp.xii.351. $4 or 24s.* *(B) 125*

Marine

G. S. Baker. Merchant ship design, past and present. *Sigma Books, 7 John St., Bloomsbury, W.C.1. 1948. pp.159. 12s. 6d.* 'A popular account intended for readers without technical knowledge.' *(A) 126*

Sir A. Hurd, *ed.* The *Shipping World* students' supplement. Vol. II. *Shipping World Ltd., Effingham House, 1 Arundel St., W.C.2. 1948. pp.178. 4s.* 'A reprint from articles which appeared in the *Shipping World*.' *(B) 127*

A. Kari. Design and cost estimating of all types of merchant and passenger ships; a treatise. 5th ed. *New York: E.W. Sweetman, 1 Broadway, N.Y.4; Kingston Hill, Surrey: Technical Press, Gloucester Rd. 1948. pp.xiv.348. $50 or 20s.* *(C) 128*

Mechanical

H. Constant. Gas turbines and their problems. *Todd Publishing Co. 1948. pp.176, illus. 7s. 6d.* 'A review for technical readers of the present position and immediate problems.' *(C) 129*

Fan Manufacturers' Association. Fans; terms, definitions and standards. *The Association. 1948. pp.12. 2s. 6d.* *(D) 130*

A. E. Miller. Cold storage practice. *Charles Griffin. 1948. pp.246. 27s.* 'Contains valuable tables on methods of packing, stowage volume and physical data of a long list of commodities, with an indication of their life in storage.' *(C) 131*

P. C. Putnam. Power from the wind. *New York: Van Nostrand. 1948. pp.xii.224, illus.* $6. 'Describes the preliminary meteorological and mechanical investigations which started in 1939 and led to the successful operation of a 1,250-kw. wind turbine which was erected in Vermont.' *(C) 132*

A. J. Stepanoff. Centrifugal and axial flow pumps; theory, design, and amplification. *New York: Wiley; London: C. & H. 1948. pp.x.428.* $7.50 *or 45s.* *(C) 133*

MINING

[See *121*]

RAILWAY

Association of American Railroads. Mechanical Division. 1947. Locomotive cyclopedia of American practice; definitions and typical illustrations of steam, turbine, electric and diesel locomotives built in America for operation in foreign countries, including a section on locomotive shops and engine terminals. 13th ed. *New York: Simmons-Boardman Publishing Corporation. 1947. pp.1418.* $9.50. *(D) 134*

SANITARY

E. H. Blake. Drainage and sanitation. 9th ed. by W. R. Jenkins; with chapters by L. B. Gumbrell. *Batsford. 1948. pp.xii.564, illus. 15s.* *(B) 135*

AGRICULTURE

G. D. H. Bell. Cultivated plants of the farm. *C.U.P. 1948. pp.xii.199, 36 pls. 15s.* 'An account of all cultivated plants in Britain; origin, development of cultivation; crop husbandry and principles of rotation; individual description of crops with special reference to grasses and grasslands.' *(B) 136*

Farmer and Stock-Breeder year book 1949. 73rd ed. *Farmer and Stock-Breeder, Dorset House, Stamford St., S.E.1. 1948. pp.340, illus. 7s. 6d.* *(D) 137*

Food and Agriculture Organization of the United Nations. Breeding livestock adapted to unfavorable environments, by R. W. Phillips. *Washington: The Organization. 1948. pp.182. (F.A.O. agricultural studies, no. 1.)* $1.50. *(B) 138*

Food and Agriculture Organization of the United Nations. Report of the rice meeting, Baguio, Philippines, 1-13 March, 1948. *Washington: The Organization; London: H.M.S.O. 1948. pp.48. 50c. or 2s. 6d.* [Survey of rice production; mostly statistical.] *(C) 139*

T. B. Marson, *ed.* The shorthorns of Scotland; Sittyton; letters of Amos Cruikshank 1873 to 1891; with an appreciation by the editor. *Edinburgh: Scottish Shorthorn Breeders' Association. 1948. pp.103. 7s. 6d.* *(A) 140*

M. W. Meek. Rabbit raising for profit. *New York: Greenberg. 1947. pp.ix.356.* $4. *(A) 141*

A. Morley. The right way to pig-keeping and breeding; with a foreword by J. Reid. *Kingswood, Surrey: Right Way Books. Andrew George Elliot. 1948. pp.ix.109, illus. 5s.* *(A) 142*

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TRANSPORT

Brown's nautical almanac 1949. *Glasgow: Brown, Son & Ferguson, Ltd. 1948. pp.744, illus. 6s. 6d.* *(D) 143*

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INDUSTRIAL ORGANIZATION

G. Herdan. Quality control by statistical methods. *Nelson. 1948. pp.251. 21s.* *(C) 144*

W. J. Hiscox and J. Stirling. Factory administration in practice; organization and administration from the factory standpoint. 6th ed. *Pitman. 1948. pp.312. 8s. 6d.* *(B) 145*

L. R. Snyder. Essential business mathematics. *McG.-H. 1947. pp.xii.434. 14s.* *(B) 146*

[See also *87, 161*]

FOOD TECHNOLOGY

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METALLURGY

J. L. Bray. Non-ferrous production metallurgy. 2nd ed. *New York: Wiley; London. C. & H. 1947. pp.xiv.587. $6 or 36s.* *(C) 147*

C. Dinsdale. Prevention of iron and steel corrosion. *Louis Cassier. 1948. pp.67. 5s.* 'An index to published specifications and methods for the prevention of steel corrosion in form of classified tables.' *(D) 148*

R. F. Hudson. Non-ferrous castings. *C. & H. 1948. pp.305, illus. 22s.* *(C) 149*

V. N. Wood. Metallurgical materials, alloys and manufacturing processes. *C. & H. 1948. pp.340, illus. 25s.* 'This book is considered to be of particular merit as an introduction for engineering students.' *(B) 150*

W. E. Woodward. Engineering metallurgy. *Constable. 1948. pp.176. 35 figs., 6 pls. 15s.* *(B) 151*

MANUFACTURES

GENERAL

F.B.I. register of British manufacturers, 1948-9. 21st ed. Published for the Federation of British Industries. *Kelly's Directories Ltd.* and *Iliffe. 1948. pp.752. 42s. (Postage: inland 1s.; overseas 1s. 6d.)* 'Lists nearly 6,000 firms and their products.' *(D) 152*

SCIENTIFIC INSTRUMENTS

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BUILDING

H. G. Cousins. Shell concrete construction. *Reinforced Concrete Association. 1948. pp.32, illus. (Technical papers, No. 6.) 2s. 6d.* *(C) 153*

S. Geddes. Building and public works administration, estimating and costing. 2nd ed. *Newnes. 1948. pp.272. 25s.* *(C) 154*

Great Britain. Department of Scientific and Industrial Research. Sand-lime bricks, by G. E. Bessey. *H.M.S.O. 1948. pp.v.58, illus. (National building studies; special reports, No. 3.) 1s. 3d.* *(C) 155*

Great Britain. Department of Scientific and Industrial Research. Structural requirements for houses, by F. G. Thomas. *H.M.S.O. 1948. pp.iv.9, 8 pls. (National building studies; special reports, No.1.) 9d.* *(C) 156*

D. Hall. Cornerstone; a study of Britain's building industry. *Lawrence and Wishart. 1948. pp.vi.153. 7s. 6d.* *(C) 157*

Year book of the heating and ventilating industry, 1948. 2nd ed. Published in collaboration with the Association of Heating, Ventilating and Domestic Engineering Employers. *Technitrade Journals Ltd., 8 Southampton Row, W.C.1. 1948. pp.206, illus. 5s.* *(D) 158*

[See also *135*]

TOWN AND COUNTRY PLANNING

Great Britain. Ministry of Town and Country Planning. Town and country planning Act, 1947; explanatory memorandum. Part 2: Notes on sections. *H.M.S.O. 1948. pp.120. 2s.* [Part 1 was issued in 1947.] *(B) 159*

R. B. Hounsfield. Traffic surveys; practical methods for planners and road engineers. *Architectural and Building News (Gilbert Wood); Iliffe. 1948. pp.47, illus. 3s. 6d.* *(C) 160*

ARCHITECTURE

British Colour Council. Colour and lighting in factories and offices. Reprint. *The Council. 1948. pp.29, illus. 10s. 6d.* 'Containing colour schemes for interior decoration; with reflective values of colours.' *(B) 161*

FILM

B. Lloyd, *ed.* Science in films. Vol. 1: A world review and reference book. *Sampson Low. 1948. pp.xvi.224, illus. 15s.* *(C) 162*

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A LIST of British publishers is enclosed with the first issue of each year. The following abbreviations are used in the *Aslib Book-List :*

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McG.-H. : McGraw-Hill
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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

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W. A. Copinger. The law of copyright; including international and colonial copyright with the statutes relating thereto and forms and precedents. 8th ed. Edited by F. E. Skone James. *Sweet and Maxwell. 1948. pp.xxii.664. 63s.* (*C*) 163

S. F. Trelease. The scientific paper; how to prepare it; how to write it. *Baltimore, Ohio: Williams & Wilkins. 1947. pp.xii.152, illus. $2.* (*B*) *164*

G. E. Williams. Technical literature; its preparation and presentation. *A. & U. 1948. pp.117. 7s. 6d.* [A handbook chiefly for engineers and physicists. Describes the preparation of manuscripts for the printer.] (*C*) *165*

[See also *180*]

LIBRARIANSHIP

S. R. Ranganathan. Preface to library science; with a foreword by Sir M. Gwyer. *Delhi: University of Delhi. 1948. pp.203. 18s.* [Based on the inaugural lectures delivered in the Department of Library Science in the University of Delhi in 1947.] (*C*) *166*

ORGANIZATIONS

Royal Empire Society. Commonwealth handbook; a guide to departments, organizations and societies in the United Kingdom concerned with the British Empire. *The Society. 1948. pp.56. 1s. 6d.* [For each department, office or society, brief information, such as address, telephone number, publications, terms of membership, etc., are given, and aims, purpose and activities are indicated. Where appropriate, attention is directed to more detailed information sources.] (*D*) *167*

STATISTICS

[See *172, 198, 218, 223*]

ECONOMICS

H. F. Ellis, *ed.,* Survey of contemporary economics. *Philadelphia: Blakistone. 1948. pp.xv.490. $4.75.* (*C*) *168*

H. R. F. Harrod. Towards a dynamic economics. *Macmillan. 1948. pp.ix.169. 7s. 6d.* (*C*) *169*

H. E. Rayner. A history of British insurance. *Pitman. 1948. pp.viii.397. 35s.* (*B*) *170*

[See also *222*]

EDUCATION

A. H. Bowley. Everyday problems of the school child. *Edinburgh: Livingstone. 1948. pp.152, illus. 7s. 6d.* 'A constructive account of the way to meet difficulties in the education of the children from nursery age to secondary school.' *(A) 171*

Oxford University. Nuffield College. The problem facing British universities. *O.U.P. 1948. pp.131. 5s.* 'Describes pre-war and post-war university provision and discusses the demand for university graduates. Statistical tables support the analysis.' *(C) 172*

[See also *239, 240*]

COMMERCE

[See *197, 215*]

MATHEMATICS

H. S. M. Coxeter. Regular polytopes. *Methuen. 1948. pp.xix.321, diagrs., pls. 50s.* 'The regular polyhedra and analogous figures in *n*-dimensional space.' *(C) 173*

E. A. Milne. Vectorial mechanics. *Methuen. 1948. pp.xiii.382. 36s.* 'Vector methods applied to particle and rigid dynamics for university students.' *(C) 174*

F. E. Relton. Applied differential equations. *Blackie. 1948. pp.vii.264. 20s.* 'Some 400 examples are given and chapters are included on Fourier Series, the method of isoclinals, and on numerical methods of solution.' *(C) 175*

GEODESY

W. N. Thomas. Surveying. 4th ed. *Edward Arnold. 1948. pp.viii.564. 30s.* 'This comprehensive treatise has been revised. Many examples are given.' *(C) 176*

PHYSICS

Institute of Physics. The measurement of stress and strain in solids; based on the proceedings of a conference arranged by the Manchester and District Branch of the Institute of Physics on 11, 12 and 13 July 1946. *The Institute. 1948. pp.vi.114, frontispiece, diagrs. $4 or 18s. 4d.* *(C) 177*

L. H. Martin and R. D. Hill. A manual of vacuum practice. *Melbourne University Press. 1947. pp.120, illus. 10s. 6d.* *(C) 178*

CHEMISTRY

J. G. E. Druce. Rhenium; dvi-manganese, the element of atomic number 75. *C.U.P. 1948. pp.92. 10s. 6d.* *(C) 179*

M. Gordon, C. E. Kendall and W. H. T. Davison. Chemical ciphering; a universal code as an aid to chemical systematics. *The Royal Institute of Chemistry of Great Britain and Ireland. 1948. pp.46. 4s.* *(C) 180*

A. W. Ralston. Fatty acids and their derivatives. *New York: Wiley; London: C. & H. 1948. pp.ix.986. $10 or 60s.* *(C) 181*

[See also *210, 216*]

GEOLOGY

R. R. Shrock. Sequence in layered rocks; a study of features and structures useful for determining top or bottom or order of succession in bedded and tabular rock bodies. *McG.-H. 1948. pp.xiii.507, illus. $7.50.* *(C) 182*

[See also *185*]

METEOROLOGY

London. Meteorological Office. The aurora of January 25-26, 1938, and associated magnetic phenomena, by F. E. Dixon. *H.M.S.O. 1948. pp.16, illus. (Geophysical memoirs, No. 81.) 2s.* *(B) 183*

S. K. Mitra. The upper atmosphere. *Calcutta: The Royal Asiatic Society of Bengal. 1947. pp.585, diagrs. 34s.* 'Includes a large section dealing with ionospheric effects on radio transmission.' *(B) 184*

BIOLOGY

K. P. Oakley and H. Muir-Wood. The succession of life through geological time. *British Museum (Natural History). 1948. pp.vii.92, illus. 2s. 6d.* [An introduction to the study of fossils.] *(B) 185*

[See also *210*]

BOTANY

W. Crocker. Growth of plants; twenty years' research at Boyce Thompson Institute. *New York: Reinhold. 1948. pp.495, illus. $10.* *(C) 186*

[See also *210, 213, 214*]

ZOOLOGY

J. H. Comstock. Introduction to entomology. 9th ed. rev. *Ithaca, N.Y.: Comstock; London: Constable; Toronto: McClellan. 1948. pp.xix.1064, 1,228 illus. $6 or 35s. or $7.50 (Toronto).* *(B) 187*

C. D. Priest. Eggs of birds breeding in southern Africa. *Glasgow: Jackson, Son & Co. 1948. pp.xii.180, 670 illus. in four col. 42s.* *(B) 188*

J. B. Welman. Preliminary survey of the freshwater fishes of Nigeria. *Lagos: The Government Printer. 1948. pp.71, 10 figs. 5s.* *(A) 189*

L. Wender. Animal encyclopaedia; mammals. English ed. by M. A. C. Hinton. *A. & U. 1948. pp.266, illus. 12s. 6d.* [Animals are entered under their popular names, but there is a Latin index. Tables give the systematic classification of the mammals and their gestation periods.] *(D) 190*

HYGIENE

[See *209*]

ENGINEERING

General

H. Constant. Gas turbines and their problems. *Todd Publishing Co. 1948. pp.158. 7s. 6d.* 'The Director of the National Gas Turbine Establishment presents here a concise textbook on the theory, design and construction of gas turbines, with notes on the compressor, the heat exchanger, application of the gas turbine, and future developments.' *(B) 191*

E. Molloy, *ed.* Modern oil engine practice; dealing with principles and construction, operation, maintenance and servicing of the leading types of stationary, marine and automobile diesel engines; with notes on rail traction and aero diesel practice. 3rd ed. *Newnes. 1947. pp.670. 30s.* *(C) 192*

A. C. Parkinson. A first year engineering drawing; covering the first year National Certificate Course in Mechanical Engineering. 4th ed. *Pitman. 1948. pp.182. 6s. 6d.* 'Covers the drawing of engineering fastenings, power transmission appliances, and of engine details.' *(B) 193*

[See also *178*]

AERONAUTICAL

Great Britain. Royal Aircraft Establishment. Laboratory of the air. *H.M.S.O. 1948. pp.63. 3s. 6d.* *(A) 194*

AUTOMOBILE

P. M. Heldt. The automotive chassis (without power plant); frames, springs, axles, wheels, tires, drives, steering, gears, brakes, universal joints, differential gears, and miscellaneous parts. 2nd ed. *Nyak, N.Y.: the Author. 1948. pp.599. 42s.* 'This edition has been extended.' *(C) 195*

A. W. Judge. Automobile engine overhaul; a practical handbook for service and maintenance engineers and all car owners. 3rd ed. *Pitman. 1948. pp.234, illus. 8s. 6d.* *(C) 196*

Society of Motor Manufacturers and Traders, Ltd. Commercial vehicle specifications and prices, October 1948. *The Society, 148 Piccadilly, W.1. 1948. pp.36. 10s.* Commercial vehicle specifications and prices, October 1948; export supplement. *The Society. 1948. pp.11. 5s.* *(D) 197*

Society of Motor Manufacturers and Traders, Ltd. Statistical Department. The motor industry of Great Britain, 1948. *The Society, 148 Piccadilly, W.1. 1948. pp.334. 30s.* 'Facts and figures relating to production, registration, and overseas trade of the automobile industry, with a review of the activities of other countries.' *(D) 198*

M. M. and G. W. Williamson, *eds.* Motor vehicles of today. Vol.1: Commercial vehicles. *Paul Elek, 38 Hatton Garden, E.C.1. 1948. pp.282, 268 illus. 35s.* *(C) 199*

CIVIL

J. F. Baker and J. W. Roderick. The strength of light alloy structures. *Aluminium Development Research Association. 1948. pp.148. (Report No. 3.) 21s.* *(C) 200*

T. Bedford. Basic principles of ventilation and heating. *H. K. Lewis. 1948. pp.x.402, illus. 25s.* *(B) 201*

C. E. Reynolds. Reinforced concrete designer's handbook. 4th ed. *Concrete Publications, Ltd., 14 Dartmouth St., S.W.1. 1948. pp.351. 15s.* 'Chapters on loads, foundations, retaining walls, bridges, roads, columns, stresses, etc. Contains also a valuable collection of tables and examples. Notes on specifications and quantities.' *(C) 202*

[See also *231, 232*]

ELECTRICAL COMMUNICATIONS

[See *184*]

MARINE

M. A. Lewis. Navy of Britain. *Toronto: Nelson; London: A. & U. 1948. pp.660, illus.* $4 (*Toronto*) *or 30s.* 'The author describes the notable stages in ship construction and propulsion and the weapons used, without attempting a technical discussion of latest tendencies.' (*A*) *203*

F. E. McMurtrie. World's warships, 1948. *Sampson Low. 1948. pp.128. illus. 10s. 6d.* (*D*) *204*

W. Pollock. Building small ships. *Tunbridge Wells, Kent: Executors of Walter Pollock, 'Wynbourne Grange'. 1948. pp.363, 93 figs. 15s.* 'Every conceivable aspect of a small shipyard is presented in simple language.' (*B*) *205*

[See also *244*]

MECHANICAL

[See *243*]

MINING

C. Biccard Jeppe. Gold mining in South Africa. *Todd Publishing Co. 1948. pp.160. 7s. 6d.* (*A*) *206*

C. Biccard Jeppe. Gold mining on the Witwatersrand. *New York: Hafner Publishing Co.; Johannesburg: Transvaal Chamber on Mines. 1946. 2 vols. pp.182., illus., maps.* $30 *or 105s.* [Actually published in 1948.] (*C*) *207*

Canadian mines handbook, 1948. *Toronto: Northern Miner Press Ltd. 1948. pp.364.* $2. (*D*) *208*

[See also *217*]

SANITARY

Great Britain. Department of Scientific and Industrial Research. Treatment and disposal of industrial waste waters, by B. A. Southgate. *H.M.S.O. 1948. pp.327. 12s. 6d.* (*C*) *209*

AGRICULTURE

GENERAL

D. E. H. Frear, *comp.* A catalogue of insecticides and fungicides; with a foreword by F. F. Lininger. Vol. 2: Chemical fungicides and plant insecticides. *Waltham, Mass.; Chronica Botanica. 1948. pp.153.* $5.50. (*D*) *210*

R. O. B. Manley. Bee-keeping in Britain. *Faber. 1948. pp.440, illus., pls. 21s.* (*A*) *211*

United States. Department of Agriculture. Science in farming; the yearbook of agriculture 1943–1947. *Washington: United States Government Printing Office. 1947. pp.xiv.944.* $2. 'A collection of articles by research workers, dealing with the advances made in their respective fields.' (*D*) *212*

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HORTICULTURE

W. J. C. Lawrence. Science and the glasshouse. *O. & B. 1948. pp.xiv.174, 24 figs. 15s.* *(B) 213*

E. E. Lord. Shrubs and trees for Australian gardens. *Melbourne and Sydney: Lothian Publishing Co. 1948. pp.xxiii.453, illus. (some in colour). 105s.* *(B) 214*

INDUSTRIAL ORGANIZATION

J. C. Aspley, *ed.* Sales manager's handbook. 5th ed. *Chicago: Dartnell. 1947. pp.1101, illus. $10.* 'A comprehensive volume on marketing trends and market analysis, selling policies, salesmanship training and supervision, sales budgeting, advertising, etc.' *(C) 215*

[See also *222*]

CHEMICAL TECHNOLOGY

Encyclopedia of chemical technology. Vol. 2: Anthrone to carbon-arc. Edited by R. E. Kirk and D. F. Othmer. *Interscience Publishers Ltd. 1948. pp.915, illus. $20 or 105s.* *(D) 216*

[See also *178*]

FUEL TECHNOLOGY

Oil and petroleum year book, 1948. Edited by W. E. Skinner. *Skinner, 20 Copthall Ave., E.C.2. 1948. pp.236. 15s.* *(D) 217*

Statistical yearbook of the world power conference. No. 4: Data on resources and annual statistics for 1936–1946. Edited with introductory and explanatory texts, by F. Brown. *The Central Office of the World Power Conference, 201-2 Grand Buildings, Trafalgar Square, W.C.2. 1948. pp.212, 23 tables. 45s. (Postage: inland 9d.; abroad 8d.)* [A survey of international statistics of power resources and their development and utilization.] *(D) 218*

J. Terrace. Terrace's notebook for gas engineers and students. *Ernest Benn. 1948. pp.972, illus. 63s.* *(B) 219*

[See also *191, 192*]

METALLURGY

H. Cordero, *comp.* The *Metal Bulletin* world register of non-ferrous smelters and refiners. 3rd ed. *Quin Press, Ltd., Princes House, 39 Jermyn Street, S.W.1. 1948. pp.199. 17s. 6d.* *(B) 220*

A. C. Vivian. Essential metallurgy for engineers; the causes and the control of metallic properties. 3rd ed. *Pitman. 1948. pp.180. 12s. 6d.* 'The author voices views which are not always orthodox, but states his reasons clearly. The edition is revised.' *(C) 221*

[See also *179, 200, 206-208*]

MANUFACTURES

RUBBER

P. T. Bauer. Rubber industry; a study in competition and monopoly. Published for the London School of Economics and Political Science. *Cambridge, Mass.: Harvard University Press; London: L.G. 1948. pp.xiv. 404. $7.50 or 25s.* *(C) 222*

TEXTILES

Commonwealth Economic Committee. Industrial fibres; a summary of figures of production, trade and consumption relating to cotton, wool, silk, flax, jute, hemp, mohair coir and rayon. *H.M.S.O. 1948. pp.137. 5s.* *(D) 223*

BUILDING

Aluminium Development Association. The first factory-made aluminium bungalow. *The Association. 1948. pp.31, illus. 2s. 6d.* *(B) 224*

R. G. Bateson. Economy of timber in building. *C. Lockwood. 1948. pp.xi.96, diagrs 7s. 6d.* *(B) 225*

Great Britain. Department of Scientific and Industrial Research. Concreting and bricklaying in cold weather, by A. J. Newman. *H.M.S.O. 1948. pp.iv.14. (National building studies. Bulletins, No. 3.) 6d.* *(C) 226*

Great Britain. Department of Scientific and Industrial Research. New methods of house construction. *H.M.S.O. 1948. pp.iv.36, illus. (National building studies. Special reports, No. 4.) 1s.* *(B) 227*

Great Britain. Department of Scientific and Industrial Research. Painting new plaster and cement, by H. M. Llewellyn and H. J. Eldridge. *H.M.S.O. 1948. pp.iv.21, 8 pls. (National building studies. Bulletins, No. 2.) 1s.* *(C) 228*

Great Britain. Department of Scientific and Industrial Research. Plumbing in America; a report on a visit to U.S.A. and Canada on plumbing, by F. L. Barrow. *H.M.S.O. 1948. pp.iv.24. (National building studies. Special reports, No. 2.) 6d.* *(C) 229*

Great Britain. Ministry of Works. Codes of Practice Committee: Codes of practice; guides to good building. *H.M.S.O. 1948. pp.20. 6d.* *(C) 230*

A. R. Moon. The design of welded steel structures. 2nd ed. *Pitman. 1948. pp.viii.134, diagrs., pls. 18s.* *(C) 231*

United States. Department of Commerce. National Bureau of Standards. Strength of houses; application of engineering principles to structural design by H. L. Whittemore (and others). *Washington: Superintendent of Documents. 1948. pp.132. (Building materials and structures. Reports, BMS 109.) $1.50.* *(C) 232*

[See also *201*]

TOWN AND COUNTRY PLANNING

American Public Health Association. Committee on Hygiene of Housing. Planning the neighbourhood. *Chicago: Public Administration Service. 1948. pp.viii.90. (Standards for healthful housing series.) $2.50.* *(B) 233*

Oldham (County Borough). Post-war Development Committee. Oldham; town centre redevelopment proposals. Edited by A. L. Hobson. *Oldham, Lancs: (County Borough) Publicity Manager. 1948. pp.28, illus., maps, pls. 2s. 6d.* *(B) 234*

Poland. Ministry of Reconstruction. Physical planning and housing in Poland; including Polish reports for the congress of the International Federation for Housing and Town Planning in Zürich, 1948. *Warsaw: Trzaska. 1948. pp.158, folding table. Individual copies may be obtained gratis from the Polish Embassy in London.* *(B) 235*

West Midland Group on Post-war Reconstruction and Planning. Conurbation; a planning survey of Birmingham and the Black Country. *Architectural Press, Ltd., 9, 11 & 13 Queen Anne's Gate, S.W.1. 1948. pp.iv.288, map, 15 pls. 30s.* *(B) 236*

ARCHITECTURE

***Sir* B. Fletcher.** A history of architecture on the comparative method. 14th ed. *Batsford. 1948. pp.xxx.1053, maps, pls. 52s.* *(B) 237*

H. S. Goodhart-Rendel. The age of taste; a lecture given before the Regency Society of Brighton and Hove. *Brighton: Regency Society. 1948. pp.23. 1s.* *(B) 238*

Great Britain. Ministry of Education. Technical Working Party on School Construction. Report. *H.M.S.O. 1948. pp.iv.44, illus. 1s.* *(C) 239*

R. Lutyens and H. Greenwood Architecture; a guide to those who are considering it as a career. *People's Universities Press, 3 Clement's Inn, Strand, W.C.2. 1948. pp.60. 2s. 6d.* *(B) 240*

N. Pevsner. An outline of European architecture. New ed. *Murray. 1948. pp.xxi.238, illus., pls. 25s.* 'Appeared as Pelican Book in 1943 and 1945.' *(B) 241*

H. H. Turner. Architectural practice and procedure; a manual for practitioner and student. 4th ed. rev. and enl.; with some notes on the procedure to be followed in war damage practice. *Batsford. 1948. pp.xiii.414, illus. 18s.* *(C) 242*

R. Wailes. Windmills in England; a study of their origin, development and future. *Architectural Press, Ltd., 9, 11 & 13 Queen Anne's Gate, S.W.1. 1948. pp.48, illus. 12s. 6d.* 'A survey with photographs and technical details. The author believes that there is still a future for these picturesque structures, basing his views on the work of the Dutch millwright Dekker.' *(A) 243*

BIOGRAPHY

***Sir* E. d'Eyncourt.** Shipbuilder's yarn. *Hutchinson. 1948. pp.207, 18 illus. 21s.* 'This is an enjoyable picture of a knowledgeable personality against a background which is full of historical importance.' *(A) 244*

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A LIST of British publishers is enclosed with the first issue of each year. The following abbreviations are used in the *Aslib Book-List* :

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C.U.P. : Cambridge University Press
H.M.S.O. : His Majesty's Stationery Office
L.G. : Longmans, Green
McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
O.U.P. : Oxford University Press

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

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A. H. Trotier, *ed.* Doctoral dissertations accepted by American universities, 1947-1948. Compiled for the Association of Research Libraries. *New York: H. W. Wilson. 1948. pp.xiv.137, tables.* (*No. 15.*) *$3.50.* (*D*) *245*

LIBRARIANSHIP

S. R. Ranganathan. Suggestions for the organization of libraries in India. *O.U.P. 1948. pp.182. tables. 5s.* [On library organization and its relation to education, technique of library management, and the problems of a national library system for India.] (*C*) *246*

M. S. Taylor. Fundamentals of practical cataloguing. *A. & U. 1948. pp.141.* (*Practical library handbooks, no. 8*). *8s. 6d.* 'Considers main and added catalogue entries and shows specimens, made according to rules of the Anglo-American code and the "unit" card system and briefly explains the purpose and different kinds of catalogue.' (*B*) *247*

ORGANIZATIONS

United States of America. National Research Council and Canada. National Research Council. Handbook of scientific and technical societies and institutions of the United States and Canada. 5th ed. U. S. section, comp. for the National Research Council of the U. S., by C. Hull; Canadian section, comp. for the National Research Council of Canada, by S. J. Cook and J. R. Kohr. *Washington: The Council, National Academy of Sciences. 1948. pp.371.* (*Bulletin No. 115*). *$5.* (*D*) *248*

PSYCHOLOGY

H. Sorenson and M. Malm. Psychology for living. *McG.-H. 1948. pp.x.637. 18s.* [A study of human behaviour.] (*B*) *249*

[See also *260*]

ECONOMICS

P. Deane. The measurement of colonial national incomes. *C.U.P. 1948. pp.xvi.173.* (*National Institute of Economic and Social Research occasional paper, No. 12.*) *12s. 6d.* (*C*) *250*

A. C. Pigou. The veil of money. *Macmillan. 1949. pp.viii.150. 8s. 6d.* [On the uses and influences of money. A study for the specialist.] (*C*) *251*

EDUCATION

A. J. Brumbaugh, *ed.* American universities and colleges. 5th ed. *Washington: American Council on education. 1948. pp.xiii 1054.* S8. 'A directory of 820 accredited institutions of higher education, with articles on American education and foreign students in America.' *(D) 252*

S. J. Curtis. History of education in Great Britain; with a foreword by W. R. Nibblett. *University Tutorial Press. 1948. pp.viii.407. 12s. 6d.* 'A comprehensive account from the Middle Ages to the present day, covering all branches of organized education.' *(B) 253*

T. S. Eliot. Notes towards a definition of culture. *Faber. 1948. pp.124. 10s. 6d.* [Contains some stimulating propositions on the purposes of education.] *(A) 254*

Great Britain. University Grants Committee. University development from 1935 to 1947 ; being a report of the University Grants Committee. *H.M.S.O. 1948. pp.106. 2s.* *(D) 255*

B. King. Russia goes to school; a guide to Soviet education. Published for the New Education Book Club (International). *Heinemann. 1948. pp.185, illus. 10s. 6d.* *(A) 256*

Sir **F. Ogilvie.** British universities. *Bureau of Current Affairs. 1948. pp.19. (Current affairs, No. 68.) 9d.* *(A) 257*

G. W. Parkyn. Children of high intelligence; a New Zealand Study. *Wellington, N.Z.: New Zealand Council for Educational Research. 1948. pp.288. (New Zealand Council for Educational Research series, No. 30.) 15s.* *(C) 258*

United Nations Educational Scientific and Cultural Organization. Reflections on our age; lectures given at the opening session of UNESCO at the Sorbonne university, Paris; with an introduction by D. Hardman. *New York: Columbia University Press; London: Wingate. 1948. pp.346. $4.50 or 18s.* [A study of contemporary thought with contributions by well known scientists and educationalists, among them Professors J. Needham, F. Joliot-Curie, M. Bowra and Yuan Ren Chao.] *(A) 259*

A. D. Woodruff. The psychology of teaching. 2nd ed. *L. G. 1948. pp.xi.272. 15s.* *(A) 260*

MATHEMATICS

L. J. Comrie. Chambers's six-figure mathematical tables. Vol.1: Logarithmic values. Vol. 2: Natural values. *W. & R. Chambers. 1948. pp.575; pp.576. 42s. (Each volume.)* *(D) 261*

PHYSICS

J. W. Breneman. Mechanics; prepared under the direction of the Division of Engineering Extension, Pennsylvania State College. 2nd ed. *McG.-H. 1948. pp.xi.144. (Pennsylvania State College industrial series.) $2.50 or 15s.* 'An elementary textbook on the principles of mechanics, with illustrations of applications. Problems are set at the end of the chapters, which deal with simple machines, screws, friction and the inclined plane, moment of inertia, force of acceleration, etc.' *(B) 262*

J. P. Den Hartog. Mechanics. *McG.-H. 1948. pp.ix.462. $4.50 or 27s.* 'A lucid textbook for a college course in statics, kinematics, and dynamics, including gyroscopes. Numerous problems are set, and answers given.' *(C) 263*

R. G. Manley. Fundamentals in vibration study. 2nd rev. ed. *C. & H. 1948. pp.156. 15s.* *(C) 264*

[See also *299*]

CHEMISTRY

J. F. Flagg. Organic reagents used in gravimetric and volumetric analysis. *Interscience. 1948. pp.xiv.300. (Chemical analysis series, Vol.4.) $6 or 36s.* *(C) 265*

E. Kirschbaum. Distillation and rectification. Translated by M. Wulfinghoff. *New York: Chemical Publishing Co. 1948. pp.xiii.426. $10 or 60s.* *(C) 266*

[See also *301, 311, 313*]

MINERALOGY

R. T. Liddicoat, *jr.* Handbook of gem identification. 2nd ed. *Los Angeles: Gemological Institute of America. 1948. pp.xiii.294, 110 figs. $4.50. (B) 267*

R. M. Pearl. Mineral collectors handbook; first edition, 1948-1949. *Colorado Springs, Colo.: Mineral Book Co. 1947. pp.297, 1 pl. $3.75.* *(A) 268*

GEOLOGY

British Museum (Natural History). The succession of life through geological time, by K. P. Oakley and H. M. Muir-Wood. *The Museum. 1948. pp.100, 16 pls. 2s. 6d.* *(A) 269*

L. J. Wills. The paleogeography of the Midlands. *Liverpool: University Press of Liverpool. 1948. pp.vii.144, illus. 5 pls. 10s. 6d.* *(C) 270*

METEOROLOGY

S. W. C. Pack. Weather forecasting. *L. G. 1948. pp.7.192, charts, diagrs., photographs. $6 or 25s. or $4.50 (Toronto).* *(C) 271*

BIOLOGY

The new naturalist; a journal of British natural history. Edited by J. Fisher. *Collins. 1948. pp.216, 175 illus., 12 col. photographs. 21s.* 'To be issued annually.' *(A) 272*

[See also *269, 301*]

BOTANY

W. Dallimore and A. B. Jackson. A handbook of Coniferae including Ginkgoaceae. 3rd rev. ed. *E. Arnold. 1948. pp.xvi.682, 120 figs., 40 pls. 50s.* *(C) 273*

R. G. Hardy. Garden flowers from plates by Jane London. *Batsford. 1948. pp.iv.12. 16 col. pls. (Colour books series.) 6s. 6d.* *(A) 274*

[See also *303*]

ZOOLOGY

C. L. Biden. Sea-angling fishes of the Cape; a natural history of some of the principal fishes caught by sea anglers and professional fishermen in Cape waters. 2nd ed. *Cape Town and Johannesburg: Juta & Co., Ltd. 1948. pp.xxxii.304, 2 maps, 48 pls. 30s.* (*A*) *275*

C. D. Day. British Tachinid flies; tachinidae (larvaevoridae and calliphoridae); a key for the identification of the genera and species. Reprinted from the *North Western Naturalist*, Vols.: 21 & 22, 1946-47. *Arbroath, Scotland: T. Buncle & Co., Ltd. 1948. pp.150, figs., 11 pls. 15s. 6d.* (*B*) *276*

A. S. Einarsen. Pronghorn antelope and its management; design and drawings by S. Briggs. *Washington: Wildlife Management Institute. 1948. pp.xvi.238, illus., maps. $4.* (*A*) *277*

C. A. Johns. British birds and their haunts. 25th ed. Edited and revised by W. B. Alexander. *Routledge. 1948. pp.298, 25 figs., 64 col. pls., by W. Foster; 5 pls., 18 figs., by R. Green. 16s.* *278*

A. L. and A. J. S. Romanoff. Avian egg. *New York: Wiley; London: C. & H. 1948. pp.906, illus. $14 or 84s.* [A comprehensive treatise on birds' eggs.] *279*

ENGINEERING

General

W. R. Ahrendt and J. F. Taplin. Automatic regulation. Vol. 1: A discussion of fundamentals. Preliminary ed. *Washington 20: The authors, Box 4673. 1947. pp.207. $3.50.* (*C*) *280*

C. G. Bainbridge. Gas welding and cutting; a practical guide to the best techniques. Published for '*Welding*'. *Louis Cassier. 1948. pp.305, 186 illus., 55 tables. 15s.* 'A useful book for operatives rather than a reference book.' (*B*) *281*

H. J. Cooper. Worked examples in engineering science. *Hutchinson. 1948. pp.159, illus. 12s. 6d.* 'Useful for candidates for the Associate Membership or Ordinary National Certificate examination.' (*B*) *282*

[See also *310*]

Civil

R. R. Minikin. Structural foundations. *C. Lockwood. 1948. pp.359, illus. 25s.* 'Approaches the subject from the practical aspect, whilst adopting the more scientific methods of foundation design which have lately been developed.' (*C*) *283*

Electrical

A. J. Coker. A.C. motors and control gear. 4th ed. *Newnes. 1948. pp.238, illus. (Electrical engineering series, No. 8.) 7s. 5d.* (*C*) *284*

W. B. Dobie and P. C. G. Isaac. Electrical resistance strain gauges. *English Universities Press. 1948. pp.114. 15s.* 'On the use and theory of instruments for the determination of stresses. A chapter on the brittle lacquer method is included.' (*C*) *285*

J. M. A. Leniham. A textbook of electronics. *English Universities Press. 1948. pp.211. 12s. 6d.* 'On the principles which underlie the applications of electronic methods, with chapters on valve rectifiers, amplifiers, oscillators, photo-electric cells, discharge lamps, television and the electron microscope.' (*C*) *286*

E. Molloy, *ed.* Electrical engineer reference book; a comprehensive work of reference, providing a summary of latest practice in all branches of electrical engineering. 3rd ed. *Newnes. 1948. pp.2112, illus. 42s.* *(D) 287*

E. Molloy, *ed.* Electrical measurements; switchboard instruments, portable testing instruments, A.C. bridge methods, valve voltmeters, pyrometry, oscillography, electricity meters, electrical measurement of non-electrical quantities. *Newnes. 1948. pp.103, illus. 5s.* *(C) 288*

D. H. Thomas. Applied electronics. *Blakie. 1948. pp.xii.132. 7s. 6d.* 'A textbook of degree standard on thermionic valves, cathode-ray tubes, gas-filled rectifiers, electric discharge lamps, photo-electric cells, and metal rectifiers.' *(B) 289*

Marine

F. O. Hambleton. Famous paddle steamers. *Percival Marshall. 1948. pp.97, illus. 8s. 6d.* 'A book to assist model makers.' *(A) 290*

W. P. A. van Lammeren, L. Troost and J. G. Koning. Resistance, propulsion and steering of ships. *Haarlem, Netherlands: H. Stam. 1948. pp.366. 90s.* 'Under the general editorship of Dr. van Lammeren, the technical staff of the Netherlands Shipbuilding Experiment Tank intend to publish a series of books on ships and marine engines. In this, the first volume, the literature of shipbuilding countries has been correlated with the findings of the tank at Wageningen.' *(C) 291*

L. G. Taylor and F. H. Trim. The principles of ship stability. *Glasgow: Brown, Son & Ferguson. 1948. pp.124, 37 figs. 10s. 6d.* *(B) 292*

Mechanical

I. Bradley and H. Hallows. The novice's workshop. Part II. *Percival Marshall. 1948. pp.128, illus. 3s. 6d.* [On how to select, maintain and use tools. The first part dealt with model engineering and helped newcomers to plan their workshop.] *(A) 293*

P. Gates. Jigs, tools and fixtures. 4th rev. ed. *Technical Press, Gloucester Rd., Kingston Hill, Surrey. 1948. pp.xi.212, illus., tables. 17s. 6d.* *(B) 294*

S. H. Glenister. Woodcutting machine work. *A. & U. 1948. pp.104, illus. (New builders handbooks, No. 7.) 6s.* 'A manual for builders' joinery machinists.' *(B) 295*

W. A. Gortner and others. Principles of food freezing. *New York: Wiley. 1948. pp.viii.281, illus. $3.75.* 'On recent developments in the application of refrigerating equipment and their effect on its design.' *(C) 296*

P. Grodzinski, *ed.* Manufacture of diamond tools and their application in Germany from 1939-1945. *N.A.G. Press, Ltd., 226, Latymer Court, Hammersmith Rd., W.6. 1948. pp.58. (Reprinted from "Industrial Diamond Review." Nov., Dec., 1947; Feb., March, April, 1948.) 7s. 6d.* *(C) 297*

P. S. Houghton. Milling machine. *C. Lockwood. 1948. pp.229, illus. 18s.* 'Will be of help in the machine shop and drawing office.' *(C) 298*

D. A. Wrangham. The theory and practice of heat engines. 2nd ed. *C.U.P. 1948. pp.xiv.854, 421 diagrs., 14 col. illus. 50s.* 'The principal change in the second edition is the addition of chapters on the gas turbine and its working fluid; other chapters have been revised.' *(C) 299*

RAILWAY

M. H. Binstead. Model railway hobby. *Percival Marshall. 1948. pp.ix.268. 10s. 6d.* *(A) 300*

AGRICULTURE

GENERAL

Copper Development Association. Copper compounds in agriculture and industrial microbiology. *The Association. 1948. pp.117.* [Single copies may be obtained gratis on application.] *(C) 301*

H. V. Garner and others. Profit from fertilizers. 3rd ed. *C. Lockwood. 1948. pp.160, illus. (Agricultural and horticultural series.) 15s.* *(B) 302*

S. P. Mercer. Farm and garden seeds. 2nd ed. *C. Lockwood. 1948. pp.xii.156, 129 figs. (Agricultural and horticultural series.) 12s. 6d.* *(B) 303*

FORESTRY

Great Britain. Forestry Commission. Britain's forests; forest of Ae. *H.M.S.O. 1948. pp.12, illus., map. 6d* [Forest land near Dumfries, Southern Uplands of Scotland.] *(A) 304*

HORTICULTURE

H. J. Webber and L. D. Batchelor, *eds.* Citrus industry. Vol. 2: The production of the crop. *Los Angeles: University of California Press. 1948. pp.xv.933, illus. $10.* 'To be issued in 3 volumes. Volume 1 deals with history, botany and breedings.' *(B) 305*

See also *274, 303*]

TRANSPORT

International Conference on Safety of Life at Sea, 1948. Final act of conference with annexes including the International Convention for the Safety of Life at Sea, signed in London, 10th June, 1948. Presented by the Minister of Transport to Parliament by Command of His Majesty, August 1948. *H.M.S.O. 1948. pp.289. 5s.* *(B) 306*

INDUSTRIAL ORGANIZATION

F. J. Burns Morton. Teamwork in industry. *C. & H. 1948. pp.vii.261. 18s.* *(A) 307*

H. B. Maynard and others. Methods-time measurement. *McG.-H. 1948. pp.x.292, illus. (McGraw-Hill industrial organization and management series.) $3.75 or 22s. 6d.* 'A method of building up production standards by summing the times required for each motion. An essentially practical book, containing some useful data.' *(C) 308*

L. Urwick and E. F. L. Brech. The making of scientific management. Vol. 3: The Hawthorne investigations. *Management Publications Trust. 1948. pp.225 12s. 6d.* 'The whole series of "Hawthorne experiments" was made under the control of Elton Mayo at the Western Electric Company's works in America and has already been described in Roethlisberger's books "Management and the Worker," and "Management and morale"; also in Hoslett's "Human factors in management." Much of this material is here brought together for the convenience of the student.' *(C) 309*

FUEL TECHNOLOGY

Steam boiler year book and manual, IV. Edited by S. D. Scorer. *Paul Elek. 1948. pp.588. 30s.* 'Following the style of its predecessors, this volume consists of descriptions of present-day practice and installations, followed by summaries of papers and articles published during the past two years.' *(D) 310*

METALLURGY

Aluminum Research Institute. Analytical methods for aluminum alloys. *Chicago: The Institute, 308, West Washington St. 1948. pp.103. $1. (C) 311*

A. H. Cottrell. Theoretical structural metallurgy. *E. Arnold. 1948. pp.viii.256. 21s. (C) 312*

International Conference on Electrodeposition; 3rd; London, September, 1947. Proceedings. *The Electrodepositors' Technical Society. 1948. pp.219. 50s. (30s. to E.T.S. members; 21s. to conference members.) (C) 313*

MANUFACTURES

Plastics

W. M. Halliday. Moulds for plastics; an aid to tool-makers in the plastic and pressure die casting industries, dealing with mould design, construction and maintenance. Published for Temple Press. *English Universities Press. 1948. pp.xxiv.259, illus. 30s. (C) 314*

Textiles

Wool Industries Research Association. Wool research, 1918-1948; a series of volumes produced by the Wool Industries Research Association in which the results of 30 years of scientific investigation are being collected together in one critical survey. Vol. 4: Carding. *Torridon, Leeds 6: The Association. 1948. pp.244, illus. 21s.* 'Volume 4 is the first in the series to be published; other volumes are now in preparation.' *(C) 315*

Timber

Great Britain. Department of Scientific and Industrial Research. Forest Products Research. The elasticity of wood and plywood, by R. F. S. Hearman. *H.M.S.O. 1948. pp.87, illus. (Special reports, No. 7.) 2s. (C) 316*

[See also *295*]

BUILDING

E. de Maré, *ed.* New ways of building. (With sections by K. Hajnal-Kónyi and others). *Architectural Press, 9, 11 & 13 Queen Anne's Gate, S.W.1. 1948. pp.235, illus. 30s.* [On the most recent materials and techniques.] *(C) 317*

Great Britain. Department of Scientific and Industrial Research. Building Research. Sand-lime and concrete bricks, by G. E. Bessey. *H.M.S.O. 1948. pp.iv.12. (National building studies; bulletin No. 4). 6d.* *(C) 318*

Great Britain. Department of Scientific and Industrial Research. Building Research. A work study in blocklaying, by W. Kinniburgh and L. S. Vallance. *H.M.S.O. 1948. pp.iv.34,* pls., *table. (National building studies; technical papers No. 1.) 1s. 6d.* *(C) 319*

R. G. Snell. Alterations to buildings. *Pitman. 1948. pp.v.105, 19 pls. 8s. 6d.* *(B) 320*

[See also *295*]

TOWN AND COUNTRY PLANNING

J. J. Clarke. An introduction to planning with reference to the Town and Country Planning Act, 1947. *Cleaver-Hume, 42a South Audley Street, W.1. 1948. pp.131. 12s. 6d.* *(C) 321*

Great Britain. Ministry of Town and Country Planning. Town and country planning (general development) order, 1948. Explanatory memorandum. *H.M.S.O. 1948. pp.12. 3d.* *(C) 322*

C. Stewart. The village surveyed. *New York: L.G.; London: E. Arnold. 1948. pp.171, illus. $3.25 or 12s. 6d.* *(B) 323*

United States of America. National Security Resources Board. National security factors in industrial location. *Washington: Superintendent of Documents. 1948. pp.iv.12. 15c.* *(B) 324*

ARCHITECTURE

R. Birt. The glories of Winchester Cathedral with photographs by A. W. Kerr. *Winchester Publications, 16 Maddox Street, W.1. 1948. pp.v.114, illus. 21s.* *(B) 325*

D. H. S. Cranage. Cathedrals and how they were built. *C.U.P. 1948. pp.viii.42, illus. 19 pls. 8s. 6d.* *(B) 326*

R. H. Mottram. The glories of Norwich Cathedral; with photographs by A. W. Kerr. *Winchester Publications, 16 Maddox Street, W.1. 1948. pp.v.114, illus., 72 pls. 21s.* *(B) 327*

M. and A. Potter. Houses; being a record of the changes in construction, style and plan of the smaller English home from mediaeval times to present day. *John Murray. 1948. pp.48, illus. (Changing shape of things series.) 8s. 6d.* *(B) 328*

M. D. and N. K. Robertson. Approach to architecture. *London: Edward Arnold; Toronto: L.G. 1948. pp.164. 10s. 6d. or $3.25 (Toronto).* *(A) 329*

J. Truby. The glories of Salisbury Cathedral; with photographs by A. W. Kerr. *Winchester Publications, 16 Maddox Street, W.1. 1948. pp.v.114, illus., 76 pls. 21s.* *(B) 330*

PUBLISHERS

A LIST of British publishers is enclosed with the first issue of each year. The following abbreviations are used in the *Aslib Book-List :*

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C.U.P. : Cambridge University Press
H.M.S.O. : His Majesty's Stationery Office
L.G. : Longmans, Green
McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
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MAY 1949
Nos. 331-411

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

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H. D. Anthony. Science and its background. *Macmillan. 1948. pp.ix.303, illus., maps. $3 or 10s. 6d. or $2.75 (Toronto).* 'The story of science with its historical background from remote to modern times.' *(A) 331*

B. Farrington. Greek science; its meaning for us. II: Theophrastus to Galen. *Harmondsworth, Mddx.: Penguin Books. 1949. pp.181, diagrs. (Pelican books A192.) 1s. 6d.* *(A) 332*

LIBRARIANSHIP

J. L. Hobbs. Libraries and the materials of local history. *Grafton. 1948. pp.224, 7 illus. 12s. 6d.* 'On the administration, cataloguing, classification, and preservation of records. Primarily intended for students studying for examinations in librarianship.' *(B) 333*

MUSEUMS

Great Britain. Standing Commission on Museums and Galleries. The national museums and galleries; the war years and after. Third report of the Standing Commission on Museums and Galleries. [Chairman, Earl Stanhope.] *H.M.S.O. 1948. pp.52, illus. 1s. 6d.* *(D) 334*

ECONOMICS

F. A. Hayek. Individualism and economic order. *Routledge. 1949. pp.vii.272. 12s. 6d.* *(C) 335*

A. Rothstein. Man and plan in Soviet economy. *Muller. 1948. pp.viii.300. 10s. 6d.* *(A) 336*

FINANCE

D. D. Dillard. The economics of John Maynard Keynes; the theory of a monetary economy. *New York: Prentice-Hall. 1948. pp.xv.364. (Prentice-Hall economics series.) $5 ($3.75 to schools).* *(C) 337*

Institute of Bankers. Current financial problems and the City of London; a series of lectures delivered at the Institute of Bankers International Summer School, Christ Church, Oxford, September 1948. *Europa Publications Ltd., 39 Bedford Square, W.C.1. 1949. pp.220. 15s.* *(B) 338*

EDUCATION

H. C. Barnard. Principles and practice of geography teaching. 2nd ed. *University Tutorial Press. 1948. pp.viii.235. 5s. 6d.* *(B) 339*

A. H. Bowley. Everyday problems of the school child. *Livingstone. 1948. pp.152, illus. 7s. 6d.* *(B) 340*

J. A. McPherson. Education and the challenge of change; a book for parents, teachers, youth workers and all who are interested in education. *Glasgow: Craig and Wilson. [1948.] pp.170. 8s. 6d.* *(A) 341*

F. J. Schonell. Backwardness in the basic subjects. 4th ed. *O. & B. 1948. pp.xx.566. 25s.* *(C) 342*

[See also *406*]

MATHEMATICS

Scottish Council for Research in Education. Addition and subtraction facts and processes. *London University Press. 1948. pp.66. 1s.* *(B) 343*

A. N. Whitehead. An introduction to mathematics. 12th impression. *O.U.P. 1948. pp.191. (Home university library.) 5s.* 'An excellent short non-technical account.' *(A) 344*

[See also *349*]

ASTRONOMY

S. Rosseland. The pulsation theory of variable stars. *O.U.P. 1949. pp.152, 25 diagrs. (International series of monographs on physics.) 18s.* 'Of interest to all concerned in evolutionary problems in astrophysics.' *(C) 345*

GEODESY

A. J. Willis. Elements of quantity surveying. 4th ed. *C. Lockwood. 1948. pp.xi.287, diagrs., pls. 15s.* 'Revised in accordance with *Standard Method of Measuring of Building Works*, published by the Chartered Surveyors' Institution and National Federation of Building Trades Employers.' *(C) 346*

A. J. Willis. More advanced quantity surveying. 4th ed *C. Lockwood. 1948. pp.v.279. 30s.* 'Revised as 346.' *(C) 347*

R. D. Wood. Principles of quantity surveying. (Based on the standard method of measurement, 4th ed., 1948.) *Estates Gazette, Ltd., 47 Museum St., W.C.1. 1948. pp.xiii.630, illus., pls. 37s. 6d.* *(C) 348*

PHYSICS

M. Born. Natural philosophy of cause and chance. *O.U.P. 1949. pp.vii.215. 17s. 6d.* 'Deals with cosmogony and the philosophical aspect of mathematical physics.' *(C) 349*

G. F. Lothian. Absorption spectrophotometry. *Hilger. 1949. pp.196, 7 illus. 26s.* *(C) 350*

[See also *345*]

CHEMISTRY

A. D. Booth. Fourier technique in X-ray organic structure analysis. *New York: Macmillan; London: C.U.P. 1948. pp.viii.106, pl. (Cambridge series of physical chemistry.) $2.75 or 12s. 6d.* *(C) 351*

J. E. Faraday. Encyclopedia of hydrocarbon compounds $C_{10}H_{16}$. *Manchester 2: Chemindex Ltd., 3 Clarence St. 1948. pp.449. 110s.* *(D) 352*

[See also *385*]

GEOLOGY AND MINERALOGY

H. E. McKinstry. Mining geology; with sections by S. A. Tyler and others. *New York: Prentice-Hall. 1948. pp.xix.680, illus. (Prentice-Hall geological series.) $10 ($7.50 to schools).* *(C) 353*

F. Rutley. Elements of mineralogy. 24th ed., rev. by H. H. Read. *A. & U. 1948. pp.525, illus. 12s. 6d.* *(B) 354*

BIOLOGY

R. E. D. Clark. Darwin: before and after; the story of evolution. *Paternoster. 1948. pp.192. (Second thoughts library series, No. 1.) 6s.* *(A) 355*

R. A. R. Gresson. Essentials of general cytology. *Edinburgh University Press; O. & B. 1948. pp.x.184, 71 figs. (Science and mathematics series.) 21s.* *(B) 356*

[See also *385*]

BOTANY

W. A. R. Dillon Weston and R. E. Taylor. The Plant in health and disease. *C. Lockwood. 1948. pp.173, illus., pl. (Agricultural and horticultural series.) 21s.* *(B) 357*

R. Good. A geographical handbook of the Dorset flora; including a chapter on the soils of Dorset, by K. L. Robinson. *Dorchester, Dorset: Dorset Natural History and Archaeological Society. 1948. pp.xi.265, frontispiece, 42 maps. 20s.* *(C) 358*

[See also *379–382, 385*]

ZOOLOGY

M. Blackmore. Mammals in Britain. *Collins. 1948. pp.128, illus. $4.25 (Toronto) or 15s.* *(A) 359*

O. C. Bradley. Topographical anatomy of the dog. 5th ed. *O. & B. 1948. pp.319, illus. 30s.* *(B) 360*

C. E. Hellmayr and B. Conover. Catalogue of birds of the Americas and the adjacent islands. Part 1, No. 2. *Chicago Natural History Museum. 1948. pp.434. $4.* [Number 1 of this work was published in 1942.] *(D) 361*

E. Jaeger. Tracks and trailcraft. *Macmillan. 1948. pp.vii.381, illus. $3.95 or 20s.* 'Illustrated by the author.' *(A) 362*

R. C. Murphy. Oceanic birds of South America; a study of species of the related coasts and seas; including the American quadrant of Antarctica based upon the Brewster-Sanford collection in the American Museum of Natural History; illustrated from paintings by F. L. Jaques. [Published in collaboration with the] American Museum of Natural History. *Macmillan. 1948. Vol. 1: pp.xx.640; vol. 2: pp.vii.642–1245; illus., maps, photographs. $17.50.* *(B) 363*

H. H. Ross. Textbook of entomology. *New York: Wiley; London: C. & H. 1948. pp.532, illus. $6 or 36s.* *(B) 364*

S. Sitwell. Tropical birds. Tropical birds (with introduction and notes) from plates by J. Gould. *Batsford. 1948. pp.12, 16 pls. (Batsford colour books.) $2 or 6s. 6d.* *(A) 365*

C. F. Tunnicliffe. Mereside chronicle; with a short interlude of lochs and lochans. *Country Life, Southampton St., W.C.2. 1948. pp.196, 200 illus. 42s.* [A study of bird life.] *(A) 366*

[See also *386*]

ENGINEERING

General

G. W. Stubbings. Dimensions in engineering theory. *C. Lockwood. 1948. pp.107, illus. 7s. 6d.* 'A concise work on the theory of dimensions and its applications, the dimensional theory of the dynamics of rotation, and the dimensions of the thermal quantities and of electrical quantities.' *(C) 367*

[See also *394*]

Civil

A. Morley. Theory of structures. 5th rev. ed. *L.G. 1948. pp.xi.617, diagrs., pls. 21s.* *(C) 368*

A. C. Pallot, *ed.* Heating and ventilating engineer's pocket book. *Newnes. 1948. pp.175, illus. 5s.* *(C) 369*

A. C. Pallot, *ed.* Hot water engineer's pocket book. *Newnes. 1948. pp.148, illus. 5s.* *(C) 370*

P. J. Waldram. The principles of structural mechanics. 3rd ed. *Batsford. 1948. pp.xxiv.384, illus., 6p ls. 18s.* 'Contains section on the principles of structural design with reinforcement.' *(C) 371*

[See also *402*]

ELECTRICAL

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ELECTRICAL COMMUNICATIONS

C. L. Boltz. Wireless for beginners. 4th rev. ed. *Harrap. 1949. pp.272, diagrs., 5pls. 7s. 6d.* 'Main revisions pertain to ultra-short waves, television receivers, valve design, the superheterodyne receiver and radar.' *(A) 372*

H. E. Penrose. Principles and practice of radar. *Newnes. 1949. pp.xii.692, 515 illus. 42s.* *(B) 373*

MECHANICAL

S. Lilley. Men, machines and history. *Cobbett, 81 Chancery Lane, W.C.2. 1948. pp.240, illus. (Past and present series: studies in the history of civilization, vol. 7.) 10s. 6d.* 'The history of mechanical progress.' *(A) 374*

T. D. Walshaw. Diesel engine design. *Newnes. 1949. pp.415, 290 illus. 35s.* *(C) 375*

MINING

J. E. Brantly. Rotary drilling handbook. 4th rev. ed. *New York: Palmer Publications. 1948. pp.568, illus. $7.50.* *(C) 376*

[See also *353*]

AGRICULTURE

HORTICULTURE

L. V. Barton and W. Crocker. Twenty years of seed research; at Boyce Thompson Institute for Plant Research, Inc. *Faber. 1948. pp.148, illus., pl. 21s.* *(B) 377*

A. G. L Hellyer. The amateur gardener. *Collingridge, 2-10 Tavistock St., W.C.2 1948. pp.806, 72 illus. 25s.* *(A) 378*

F. N. Howes. Nuts; their production and everyday uses. *Faber. 1948. pp.264, illus. 18s.* *(B) 379*

C. Ingram. Ornamental cherries. *Country Life, Tower House, Southampton St., W.C.2. 1948. pp.259, illus. 30s.* *(B) 380*

A. J. Macself. Gladioli. Rev. ed. *Eyre & Spottiswoode. 1948. pp.ix.87, col. frontispiece, figs. (Home and garden books.) 6s.* 'Covers both general culture and the production of the flowers for exhibition and market.' *(A) 381*

G. A. R. Phillips. Delphiniums; their history and cultivation. Rev. ed. *Eyre & Spottiswoode. 1949. pp.ix.114, figs., pls., tables. (Home and garden books.) 6s.* *(A) 382*

J. S. Shoemaker. Small-fruit culture; a text for instruction and reference work and a guide for field practice. 2nd ed. *New York: Blakiston. 1948. pp.vii.433, illus. $4.* *(B) 383*

SOIL SCIENCE

I. de V. Malherbe. Soil fertility. *O.U.P. 1948. pp.308, illus., pl. $6.50 or 21s.* *(B) 384*

R. L. Mitchell. The spectographic analysis of soil, plants and related materials. *Harpenden, Herts: Commonwealth Bureau of Soil Science. 1948. pp.183. (Communication No. 44.) 12s. 6d.* *(B) 385*

VETERINARY SCIENCE

U. F. Richardson. Veterinary protozoology. *O. & B. 1948. pp.viii.240, 35 illus. (1 col.). 18s.* *(B) 386*

METALLURGY

The *Metal Bulletin* world register of non-ferrous smelters and refineries, 1948. 3rd ed. *Quin Press, Metal Information Bureau, Ltd., Princes House, Jermyn St., S.W.1. 1948. pp.199, maps. 17s. 6d.* *(D) 387*

Metal industry handbook and directory, 1948. *Louis Cassier, Dorset House, Stamford St., S.E.1. 1948. pp.480. Gratis to subscribers to Metal Industry.* *(D) 388*

M. Riddihough. Hardfacing by welding. Published for *Welding. Louis Cassier, Dorset House, Stamford St., E.C.1. 1949. pp.127, diagrs., photographs, tables. 8s. 6d.* 'A manual covering all aspects of the process: design, choice of hardfacing alloy and technique of deposition, inspection and finishing methods.' *(C) 389*

E. Seymour Semper. Oxygen cutting; a comprehensive study of modern practice in manual and machine cutting. Published for *Welding. Louis Cassier, Dorset House, Stamford St., E.C.1. 1949. pp.150. Diagrams, photographs. 10s. 6d.* *(B) 390*

[See also *399*]

MANUFACTURES

GLASS

M. C. Nokes. Modern glassworking and laboratory technique. 3rd ed. *Heinemann. 1948. pp.xiii.157, illus. 7s. 6d.* 'From the fundamental tasks of cutting, blowing and bending, to the more complicated operations connected with photo-electric cells and diffusion pumps.' *(B) 391*

RUBBER

T. R. Dawson. Rubber industry in Germany during the period 1939–1945. *H.M.S.O. 1948. pp.150. (B.I.O.S. overall report No. 7.) 2s. 6d.* 'A detailed survey of 475 B.I.O.S., C.I.O.S., and F.I.A.T. reports and T.I.D.U. German documents.' *(C) 392*

G. M. Hamilton and A. A. New. Electrical aspects of Buna. *H.M.S.O. 1948. Part 1: pp.323. 27s. 6d.; part 2: pp.483. 42s. (B.I.O.S. final report No. 1714.)* 'A very detailed and thorough treatment.' *(C) 393*

SCIENTIFIC INSTRUMENTS

The instrument manual. Published for *Instrument Practice. United Trade Press, Ltd., 24 Bride Lane, Fleet St., E.C.4. 1949. pp.536, illus., tables. 70s.* 'Written by a team of experts, this book surveys instruments and their use, gives details of relevant literature and contains a directory of suppliers, manufacturers and organizations.' *(D) 394*

TIMBER

Great Britain. Department of Scientific and Industrial Research. Solid and laminated wood bending, by W. C. Stevens and N. Turner. *H.M.S.O. 1948. pp.viii.71, illus. 5s.* *(C) 395*

BUILDING

Cement and Concrete Association. Structural precast reinforced concrete. Single story buildings. *The Association. 1948. pp.33, illus. Gratis.* *(C) 396*

E. G. Dormon and E. J. Elmes. Brickwork; for use in junior building courses. *Pitman. 1948. pp.x.246, illus., pls. (Pitman's secondary technical building series. Edited by F. E. Drury.) 7s. 6d.* *(B) 397*

B. H. and R. G. Knight. Builders' materials. 2nd ed. *New York: L.G.; London: E. Arnold. 1948. pp.viii.304, illus. $5.25 or 21s.* *(C) 398*

Lead Industries Development Council. Technical Information Bureau. Lead sheet and pipe; general information on manufacture and use. *The Council. 1948. pp.11, illus. (Bulletin No. 115.) Gratis.* *(C) 399*

Lead Industries Development Council. Technical Information Bureau. Weatherings and flashings; the use of lead sheet in buildings for weather protection. *The Council. 1948. pp.8, illus. (Bulletin No. 117.) Gratis.* *(C) 400*

W. R. M. Pippard. Building supervision; notes on good building practice. *Spon. 1948. pp.122. (Architectural and building series.) 8s. 6d.* *(C) 401*

[See also *368, 369, 371, 402*]

ARCHITECTURE

W. H. Fowler. Fowler's architects', builders' and contractors' pocket book. 5th ed., by J. Leask Manson. *Manchester: Scientific Publishing Co. 1948. pp.xxvii.1085, diagrs. 10s. 6d.* *(D) 402*

R. Lutyens and H. Greenwood. An understanding of architecture. *People's Universities Press, 3 Clement's Inn, Strand, W.C.2. 1948. pp.116.xviii, illus. 6s. 6d.* *(A) 403*

W. A. Pantin. Durham cathedral. *Lund, Humphries, 12 Bedford Sq., W.C.1. 1948. pp.13, folding plan, illus. (Cathedral series, No. 2) 3s. 6d.* *(B) 404*

F. de Pierrefeu and Le Corbusier *(pseud.)*. The home of man. Transl. by C. Entwistle and G. Holt. *Architectural Press, Ltd., 9, 11, 13 Queen Anne's Gate, S.W.1. 1948. pp.156 illus. 10s. 6d.* *(B) 405*

M. J. F. Secrett. So you want to be an architect. *Daily Mail, Northcliffe House, E.C.4. [1948.] pp.77, 8 pls. (Careers of to-day series. Edited by P. Pringle. No. 5.) 2s. 6d.* *(B) 406*

Singapore Improvement Trust. The work of the Singapore Improvement Trust 1927–1947. *Singapore: The Trust. 1947. pp.vi.60, pls. 4s. 8d.* *(B) 407*

R. Southern. The Georgian playhouse. *Pleiades Books, Ltd., 11 Fitzroy Sq., W.1. 1948. pp.70, illus. 12s. 6d.* *(B) 408*

J. Summerson. Architecture in England. Rev. ed. *L.G. 1948. pp.30, pls. (British Council. The arts in Britain series, No. 10.) 2s.* 'Architecture in England since Wren.' *(A) 409*

L. E. Tanner. Unknown Westminster Abbey; with photographs by R. P. Howgrave-Graham. *Harmondsworth, Mddx.. Penguin Books. 1948. pp.40, 64 pls. (The King Penguin books.) 2s. 6d.* 'Details of craftsmanship.' *(B) 410*

BIOGRAPHY

The international who's who, 1949. 13th ed. *Europa Publications Ltd., 39 Bedford Sq., W.C.1. 1949. pp.xx.1015. 84s.* *(D) 411*

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L.G. : Longmans, Green
McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
O.U.P. : Oxford University Press

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PREFACE

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Volume 14. *Number 6.* *June 1949*

SCIENTIFIC RESEARCH

L. L. Whyte. The unitary principle in physics and biology. *The Cresset Press, 11 Fitzroy Sq., W.1. 1949. pp.x.182. 12s. 6d.* 'Based on the assumption that all processes, psychological and physical, are to be represented as variants of one universal process, the book surveys the realms of science in search of a unitary principle.' *(C) 412*

BIBLIOGRAPHY

B. H. Dalton, *comp.* Sources of engineering information. *Berkeley: University of California Press; London: C.U.P. 1948. pp.v.109. $4 or 22s. 6d.* 'Consists of lists of abstracts, bibliographies, and reference books, and was prepared originally for students of the University of California, to aid them in using their library. Its bias is towards American literature.' *(D) 413*

[See also *414*]

DICTIONARIES

[See *447*]

FINANCE

P. Einzig. Primitive money. *Eyre & Spottiswoode. 1949. pp.xii.517. 25s.* 'Contributes much that is new to the theories of early barter and currency and will be appreciated both by the beginner and the more advanced reader. The book contains a very comprehensive bibliography.' *(A) 414*

EDUCATION

M. Richardson. Art and the child; with an introduction by K. Clark. *University of London Press. 1948. pp.88, 39 pls. (23 col. pls.). 18s.* [On pioneer work in the teaching of art. Contains reproductions of original work done by children.] *(A) 415*

C. Stimson. Education after school. *Routledge. 1948. pp.x.180. 15s.* *(A) 416*

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COMMERCE

American Economic Association. Readings in the theory of international trade. *Philadelphia: Blakiston. 1949. pp.xviii.637. $4.75.* *(C) 418*

MATHEMATICS

J. L. Coolidge. The mathematics of great amateurs. *O.U.P. 1949. pp.224, 56 figs. 21s.* [On the history of mathematics. Achievements by men whose main interest lay in other fields.] *(A) 419*

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PHYSICS

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A. G. Gaydon. Spectroscopy and cumbustion theory. 2nd ed. *C. & H. 1948. pp.242, illus. 25s.* 'Many recent developments are embodied in this revised and enlarged edition, which covers the field of the applications of spectroscopy to combustion theory, and gives much information on the phenomena of flames.' *(C) 422*

L. C. Jackson. Low temperature physics. 2nd rev ed. *Methuen. 1948. pp.138. (Monographs on physical subjects.) 6s.* *(C) 423*

P. McCord Morse. Vibration and sound. 2nd ed *McG-H. 1948. pp. xix.468. (International series in pure and applied physics.) $5.50 or 33s.* 'Deals with the flexible string, the vibration of bars, plane and standing waves of sound, and its radiation and scattering.' *(B) 424*

R. von Mises and T. von Karman, *eds.* Advances in applied mechanics. Vol. 1. *New York: Academic Press. 1948. pp.viii.293, illus. $6.80.* 'Includes such subjects as mechanics of boundary layer flow, non-linear mechanics, elasticity, turbulence, numerical methods in wave interaction problems, and Bergman's integration method in two-dimensional compressible fluid flow.' *(C) 425*

Physical Society. Report of a conference on strength of solids held at the H. H. Wills Physical Laboratory, University of Bristol, on 7-9 July, 1947. *The Society. 1948. pp.162. 25s.* *(C) 426*

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[See also *428, 429*]

CHEMISTRY

M. J. S. Dewar. Electronic theory of organic chemistry. *O.U.P. 1949. pp.xi.324. 30s.* *(C) 428*

J. Reilly and W. N. Rae. Physico-chemical methods. Vol. 3. *Methuen. 1948. pp.ix.697, 1 pl., 310 diagrs. 55s.* *(C) 429*

CRYSTALLOGRAPHY

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[See also *421*]

GEOLOGY

F. D. Ommanney. The ocean. *O.U.P. 1949. pp.vii.238, illus. (The home university library of modern knowledge, 203.) 5s.* 'Contains chapters on the ocean basin, the continental shelf and the abyss, on plankton, whaling and fisheries, and on the instruments and methods of oceanography.' *(A) 431*

METEOROLOGY

A. J. Starr. A first book of meteorology. *Harrap. 1949. pp.86, 20 illus., 17 diagrs. 5s.* *(A) 432*

BIOLOGY

J. C. Clausen and others. Experimental studies on the nature of species. Vol. 3: Environmental responses of climatic races of achillea. *Washington: Carnegie Institution. 1948. pp.129, illus. (Publication No. 583.) $3 (cloth) or $2.50 (paper).* *(C) 433*

E. D. P. de Robertis and others. General cytology; transl. by W. Andrew. *Philadelphia: Saunders. 1948. pp.xi.345, illus. $5.50.* *(B) 434*

[See also *431*]

BOTANY

H. L. Blomquist. Grasses of North Carolina. *Durham, N.C.: Duke University Press. 1948. pp.xii.156, 129 figs. $7.50.* *(B) 435*

P. M. Synge. Flowers in winter. *L. Drummond. 1948. pp.122, 52 photographs, 4 col. pls. 15s.* 'Detailed instructions on cultivation are not given, but emphasis is on the shape and beauty of the flowers themselves. The book will help the amateur in making his choice from the nurseryman's catalogue.' *(A) 436*

[See also *431, 465*]

ZOOLOGY

J. R. Norman and F. C. Fraser. Giant fishes, whales and dolphins. 2nd rev. ed. *Putnam. 1949. pp.378, 100 illus. (8 col.). 15s.* 'Contains scientific, economic, and sporting information.' *(A) 437*

J. L. Peters. Check-list of birds of the world. Vol. 6. *Cambridge, Mass.: Harvard University Press; London: O.U.P. 1948. pp.xi.259. $6.50 or 36s.* *(D) 438*

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[See also *431*]

VETERINARY SCIENCE

E. A. Benbrook and M. W. Sloss. Veterinary clinical parasitology. *Iowa: Iowa State College Press. 1948. pp.187, illus. $4.50.* (*B*) *443*

R. A. Kelser and H. W. Schoening. Manual of veterinary bacteriology. *Baltimore, Md.: Williams & Wilkins; London: Baillière. 1948. pp.xi.767, 10 illus. $6.50 or 36s.* (*B*) *444*

[See also *440*]

ENGINEERING

General

[See *413, 473*]

Civil

V. C. Whiting and K. Mills. Civil engineering for the clerk of works. *L.G. 1948. pp.152. 12s. 6d.* 'A short chapter on plant is included.' (*C*) *445*

Electrical

E. T. Lawson Helme. Electrical servicing of the motor vehicle; principles, design, and choice of test apparatus. Published for *The Motor Trader. Iliffe. 1949. pp.150, 142 diagrs. 8s. 6d.* 'Will be appreciated by the skilled garage mechanic, but is addressed more specifically to the specialized automobile electrician.' (*B*) *446*

H. Thali. Technical dictionary of terms used in electrical engineering, radio, television, electrical communication, including the most usual terms of acoustics, illumination, mathematics, materials, mechanics, optics, thermodynamics, etc. Vol. 2: German-English-French. *Hitzkirch, Luzern, Switzerland: Thali & Co. 1948. pp.311. fr.23.75.* 'The first volume contains the English-German-French section of this work.' (*D*) *447*

M. M. and G. W. Williamson. Electro-industry; an encyclopaedia of electrical aid. *Hindlip Publishing Co., Ltd., 139 Strand, W.C.2. 1948. pp.324. 30s.* 'The object of this publication is to show what electrical appliances are available for specified purposes, whether it be a bottling machine or a mechanical parking system for cars; a strain gauge or an electron microscope.' *(C) 448*

J. F. Wostrel and J. G. Praetz. Household electric refrigeration; including gas absorption system. 2nd ed. *McG.-H. 1948. pp.458. 27s.* 'A practical work on the servicing of electric refrigerators, which describes the popular makes of machines and shows the details of their construction.' *(C) 449*

[See also *459*]

Electrical Communications

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C. Cherry. Pulses and transients in communication circuits; an introduction to network transient analysis for television and radar engineers. *C. & H. 1949. pp.xvi 317, illus. 32s.* *(B) 451*

M. G. Scroggie. Radio laboratory handbook. 4th ed. *Iliffe. 1948. pp.430. 12s. 6d.* 'On methods and equipment for carrying out radio tests and measurements, with a section on high-frequency work.' *(C) 452*

Gas

R. N. Le Fevre. Gas distribution engineering. *Walter King, Ltd., 11 Bolt Court, E.C.4. 1948. pp.312. 22s. 6d.* 'Designed to serve as an introduction to the subject of gas distribution practice, and deals with the general principles involved in conveying town gas from the works to the consumers' premises.' *(B) 453*

Mechanical

H. Addison. Centrifugal and other rotodynamic pumps. *C. & H. 1948. pp.492, illus. 36s.* 'On the principles, design and construction, performance, installation and operation of centrifugal screw and propeller pumps.' *(C) 454*

P. H. Black. Machine design. *McG.-H. 1948. pp.vii.357, illus. $4 or 24s.* 'Contains up-to-date information on such matters as stress concentration in machine members, methods of determining allowable stresses, gear problems, surface finish friction and wear, sliding bearings, etc.' *(B) 455*

R. D. Madison. Fan engineering; an engineer's handbook on air, its movement and distribution in air conditioning, combustion, conveying and other applications employing fans. 5th ed. *Buffalo, N.Y.: Buffalo Forge Co. 1948. pp.808. $6.15.* *(C) 456*

L. H. Sparey. Amateur's lathe; with a foreword by D. A. Russell. *Leicester: Harborough Publishing Co. 1948. pp.232, illus. (Drysdale Press book.) 12s. 6d.* *(B) 457*

E. T. Westbury. Milling in the lathe. *Percival Marshall. 1948. pp.152, illus. 3s. 6d.* *(B) 458*

[See also *459*]

RAILWAY

D. W. and M. Hinde. Electric and diesel-electric locomotives. *Macmillan. 1948. pp.x.366, illus. $8.25 (Toronto) or 36s.* 'On the constructional features of electric and diesel-electric locomotives, with brief specifications of the principal types throughout the world.' *(C) 459*

F. Ogden. Railway wagon and tank construction and repair. *Pitman. 1948. pp.xiv.174, illus. 18s.* *(C) 460*

SANITARY

J. L. Alden. Design of industrial exhaust systems. 2nd ed. *New York: Industrial Press. 1948. pp.252. $3.50.* *(C) 461*

Musgrave & Co., Ltd. The Musgrave pocket book. 5th ed. *Belfast: The Company. 1948. pp.112. 10s. 6d.* 'A pocket book of tables and data for heating and ventilating engineers.' *(B) 462*

AGRICULTURE

GENERAL

Great Britain. Agricultural Research Council. The spread of virus diseases in the potato crop. *H.M.S.O. 1948. pp.viii.189, 38 figs., 1 pl. (Report No. 7.) 5s.* *(B) 463*

B. L. Herrington. Milk and milk processing. *McG.-H. 1948. pp.ix.343, illus. (McGraw-Hill publications in the agricultural sciences.) $3.75 or 22s. 6d.* *(B) 464*

HORTICULTURE

F. Kingdon-Ward. Rhododendrons. *Latime House, Ltd., 33 Ludgate Hill, E.C.4. 1949. pp.128, col. frontispiece, 4 pls. (New Gardening series.) 7s. 6d.* 'Enlivened by first-hand descriptions of the plants as they appear in their natural habitat in the mountains of South-East Asia.' *(A) 465*

[See also *436*]

TRANSPORT

L. D. Kitchin. Bus operation; principles and practice for the transport student. 2nd ed. Published for *Bus & Coach. Iliffe. 1949. pp 178, 80 illus. 10s. 6d.* *(B) 466*

INDUSTRIAL ORGANIZATION

J. G. Blocker. Cost accounting 2nd ed. *McG.-H. 1948. pp.xv.733. (McGraw-Hill accounting series.) $5.50 or 28s.* 'How to use cost information in management, treating of control and accounting for distribution and administrative costs, as well as those of manufacturing and production.' *(C) 467*

N. L. Enrick. Quality control; a manual of quality control and procedure based upon scientific principles and simplified for practical application in various types of manufacturing plants. *New York: Industrial Press; Brighton: Machinery Publishing Co. Ltd. 1948. pp.123. $3 or 21s.* *(B) 468*

T. W. Gorgon. Estimating machining times; a concise and systematic presentation of information and tabular data for the use of rate-fixers and others concerned with the rapid and accurate calculation of production times. *Brighton, 1: The Machinery Publishing Co. Ltd., National House, West St. [1949.] pp.163, illus.* 'Specifically designed for rate-fixers.' *(D) 469*

The Institution of Mechanical Engineers and The Institution of Electrical Engineers. Model form for general conditions of contract, including model forms of agreement and guarantee; recommended for use in connection with home contracts—with erection. *The Institutions. 1948. pp.18. 5s.* [For use in Great Britain. Considers also the erection of products on the site.] *(A) 470*

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CHEMICAL TECHNOLOGY

K. A. Kobe. Inorganic process industries. *Macmillan. 1948. pp.vii.371, illus. $6 or 30s.* *(C) 475*

METALLURGY

R. Fox. Ferrous materials for the engineer. *Charles Griffin. 1948. pp.159. 12s. 6d.* 'On the properties, testing, and heat-treatment of steels, with typical compositions and uses indicated.' *(C) 476*

J. McKeown. The properties of soft solders and soldered joints; with a foreword by H. Moore. *British Non-Ferrous Metals Research Association. 1949. pp.140, 56 illus., 49 tables. (Research monograph No. 5.) 17s. 6d.* *(C) 477*

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MANUFACTURES

TIMBER

Great Britain. Department of Scientific and Industrial Research. Forest products research. Identification of softwoods, by E. W. J. Phillips. *H.M.S.O. 1948. pp.iii.56, 3 pls. (Bulletin No. 22.) 1s. 3d.* *(B) 480*

BUILDING

Great Britain. Ministry of Works. House construction; third report, by an inter-departmental committee of the Ministry of Health [Department of Health] for Scotland and the Ministry of Works. *H.M.S.O. 1949. pp.73, illus., pls. (Post-war building studies, No. 25.) 2s.* 'Chiefly on prefabricated systems.' *(B) 481*

D. D. Harrison, *ed.* Building science; papers prepared for the Architectural Science Board of the Royal Institute of British Architects [by M. H. Thomas and others]. *A. & U. 1948. pp.ix.196, illus., 10 pls. 21s.* *(C) 482*

F. R. S. Yorke and C. R. Fowkes. Flooring materials. *Faber. 1948. pp.234, illus. 42s.* 'On surfaces and furnishings. Indicates composition, properties, uses, cleaning and maintenance methods of individual materials.' *(C) 483*

[See also *484*]

TOWN AND COUNTRY PLANNING

S. Gale. Modern housing estates; a practical guide to their planning, design and development. *Batsford. 1949. pp.xii.277, illus., pls. 35s.* 'Covers also garden cities.' *(B) 484*

Great Britain. Central Land Board. Practice notes (first series); being notes on development charges under the Town and Country Planning Act, 1947. *H.M.S.O. 1949. pp.vi.46. 1s.* *(C) 485*

R. K. Kelsall. Citizens' guide to the new town and country planning. *Oxford: Pen-in-Hand Publishing Co. 1949. pp.94, pls. 5s.* 'With glossary of terms.' *(A) 486*

ARCHITECTURE

M. S. Briggs. The approach to architecture. *A. & U. 1948. pp.74, illus. (County college books. Edited by J. H. Newsom.) 6s.* *(B) 487*

C. J. P. Cave. Roof bosses in medieval churches; an aspect of Gothic sculpture. *C.U.P. 1948. pp.viii.235, pls. 35s.* *(B) 488*

R. Dutton. The English interior, 1500 to 1900. *Batsford. 1948. pp.viii.192, pls., illus. (The British art and building series.) 21s.* *(B) 489*

F. Gibberd. Built-in furniture in Great Britain. *Tiranti, 72 Charlotte St., W.1. 1948. pp.viii.44, 48 pls., illus. 6s.* 'Text in English and French.' *(B) 490*

F. R. S. Yorke and F. Gibberd. The modern flat. 2nd ed. *Architectural Press, 9, 11, 13 Queen Anne's Gate, S.W.1. 1948. pp.207, illus. 35s.* *(B) 491*

PHOTOGRAPHY

G. L. Wakefield and B. T. J. Glover. Perfect negatives. 8th ed. *Fountain Press, 46-47 Chancery Lane, W.C.2. 1948. pp.126, 8 pls., diagrs. 6s.* *(A) 492*

PUBLISHERS

A LIST of British publishers is enclosed with the first issue of each year. The following abbreviations are used in the *Aslib Book-List :*

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C. & H. : Chapman and Hall
C.U.P. : Cambridge University Press
H.M.S.O. : His Majesty's Stationery Office
L.G. : Longmans, Green
McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
O.U.P. : Oxford University Press

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

ASLIB BOOK-LIST

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[See also *498, 565, 570*]

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LIBRARIANSHIP

D. Gray. Fundamentals of librarianship; an introduction for the use of candidates preparing for the Entrance Examination of the Library Association. *A. & U. 1949. pp.189. (Practical library handbooks, XI.) 8s. 6d.* [Chapters follow the syllabus of the examination, describing essential methods of library administration.] *(B) 494*

PSYCHOLOGY

E. Jones. Papers on psycho-analysis. 5th ed. *Baillière. 1948. pp.vii.504. 31s. 6d.* 'Fourteen papers from the previous edition are omitted and nine new ones included.' *(C) 495*

O. Pfister. Christianity and fear; a study in history and the psychology and hygiene of religion. Translated from the German by W. H. Johnston. *A. & U. 1949. pp.589. 30s.* *(B) 496*

ECONOMICS

S. E. Harris. The European recovery program. *Cambridge, Mass.: Harvard University Press, 1948; London: O.U.P. 1949. pp.xvii.309. $4.50 ($3.50 text ed.) or 25s.* *(C) 497*

United Nations. Check list of United Nations documents. Part 4: Trusteeship Council; No. 1, first and second sessions, 1947–48. *pp.xxi.59. 7s. 6d.*; No. 2, third session, 1948. *pp.xiii.39. 5s.* Part 5: Economic and Social Council; No.1, first to fifth sessions, 1946–47. *pp.lii.230. 25s.* Part 6H: Fiscal Commission; No. 1, first session, 1947–48. *pp.viii.11. 2s. 6d. Lake Success, N.Y.: United Nations, Department of Public Information, Library Services; London: H.M.S.O. 1949.* [Each number contains a useful alphabetical index, showing the wide range of subjects covered by the United Nations and guiding the user to relative documents.] *(D) 498*

FINANCE

A. H. Hansen. Monetary theory and fiscal policy. *McG.-H. 1949. pp.x.236. (Economics handbooks series.) $3 or 18s.* *(C) 499*

ADMINISTRATION

F. C. King, *ed.* Public administration in Ireland; a series of lectures delivered under the auspices of the Civil Institute of Ireland to candidates for the Diploma of Public Administration of Dublin University. Vol. 2. *Dublin: Parkside Press, Ltd., 37 Grafton St. 1949. pp.252. 10s. 6d.* 'Lectures on such subjects as economic co-operation, agricultural credit, constructive town planning, etc.' *(B) 500*

EDUCATION

G. P. Meredith. Algebra by visual aids. Edited by L. Hogben. *A. & U. 1948.*
Book 1: The polynomials. *pp.xxxiv.160, 43 charts. 10s.*
Book 2: The continuum. *pp vi.167–282.xvi, 36 charts. 8s. 6d.*
Book 3: The laws of calculation. *pp.290–414.xxvi, 25 charts. 7s. 6d.*
Book 4: Choice and chance. *pp.420–550.xxii, 36 charts. 9s. 6d.*
Book 5: Answers. *pp.96. 6s* *(B) 501*

J. F. Wolfenden. Public schools to-day; a study in boarding-school education. *University of London Press. 1948. pp.111. (Education issues of to-day, vol. 5.) 4s. 6d.* *(A) 502*

[See also *530, 550*]

DICTIONARIES

[See *558*]

MATHEMATICS

G. H. Hardy. Divergent series. *O.U.P. 1949. pp.xiv.396. 30s.* 'Contains an historical introduction to divergent series; general theorems and rigorous manipulation are covered in eleven chapters. Based on lectures to students of mathematics, the book is of equal value to technicians using divergent series as a tool, e.g. communication theory and computation.' *(C) 503*

J. C. Jaeger. Introduction to the Laplace transformation; with engineering applications. *Methuen. 1949. pp.132, 31 diagrs. 7s. 6d.* 'The theory is concisely expounded with reasonable attention to rigour, avoiding the obscurities of some older work on operational methods; no attempt is made at mathematical generality, since the work is intended for engineers whose mathematical equipment does not include the theory of functions of a complex variable.' *(B) 504*

O. Ore. Number theory and its history. *McG.-H. 1948. pp.x.370, illus. $4.50 or 27s.* *(B) 505*

L. Roth. Modern elementary geometry. *Nelson. 1949. pp.x.370, illus. 8s. 6d.* *(A) 506*

[See also *501*]

PHYSICS

H. Cotton. Basic technical electricity. *Cleaver-Hume. 1949. pp.238, illus. (Cleaver-Hume electrical series, No. 1. H. Cotton, general ed.) 8s. 6d.* 'First of a new series of textbooks. This first of nine contemplated volumes explains the mechanism of the atom and gives a conception of the nature of electricity. Partly adapted from the author's earlier work *Principles of electricity.*' *(B) 507*

H. Fröhlich. The theory of dielectrics, dielectric constant and dielectric loss. *O.U.P. 1949. pp.vi.188. (Monographs of physics and chemistry of materials.) 18s.* 'Contains recent researches by the author and so far unpublished material.' *(C) 508*

Great Britain. National Physical Laboratory. Report for the year 1946. *H.M.S.O. 1949. pp.76. 1s. 6d.* [Contains reports on the research work of the Laboratory's Divisions and lists the papers they have published.] *(C) 509*

A. C. Merrington. Viscometry. *Edward Arnold. 1949. pp.142, illus. 16s.* 'Description of standard viscometers as used both for research and for industrial testing.' *(B) 510*

[See also *515*]

CHEMISTRY

R. Adams, *ed.-in-chief,* **W. E. Bachmann** (and others), *eds.* Organic reactions. Vol. 4 *New York: Wiley; London: C. & H. 1948. pp.viii.428. $6 or 36s. (C) 511*

I. D. Garard. An introduction to organic chemistry. 3rd ed. *New York: Wiley; London: C. & H. 1948. pp.xi.396. $3.50 or 21s.* 'A course for students to whom chemistry is an ancillary subject.' *(B) 512*

A. W. Stewart and H. Graham. Recent advances in organic chemistry. Vols. 2 and 3. 7th rev. ed. *L.G. 1949. pp.xi.387, illus. 35s.* 'This seventh edition is appearing as volumes 2 and 3 of the series. Volume 1 is out of print and in any case is no longer concerned with "recent advances".' *(C) 513*

METEOROLOGY

C. E. P. Brooks. Climate through the ages; a study of the climatic factors and their variations. Rev. ed. *Benn. 1949. pp.395, 36 diagrs. 21s.* 'An up-to-date standard work on past climates. Special attention is given to the climates of the Permo-Carboniferous and Pleistocene Ice Ages and to the climatic variations which have taken place during the "historical" past from 6000 B.C.' *(A) 514*

J. A. Chalmers. Atmospheric electricity. *O.U.P. 1949. pp.175. 15s.* [Contains a bibliography of 248 items with entries to 1947.] *(B) 515*

Great Britain. Meteorological Office. Aviation meteorology of the Azores. *H.M.S.O. 1949. pp.89, maps, pls. (Meteorological reports, vol. 1, No. 2.) (M.O. 496b.) 3s. 6d.* *(C) 516*

Great Britain. Meteorological Office. Handbook of weather messages, codes and specifications. Part 1: Transmission schedules and station index numbers. *H.M.S.O. 1949. pp.iv.100, tables. (M.O. 510a.) 2s. 6d.* 'Virtually a continuation of the Meteorological Office publication *Wireless Weather Messages,* the 12th and last edition of which appeared in 1939.' *(D) 517*

Great Britain. Meteorological Office. Meteorology for aviators, by R. C. Sutcliffe. *H.M.S.O. 1940. (Reprinted 1948 incorporating Amendment Lists Nos. 1–5.) pp.xiv.274, diagrs., maps, pls. (M.O. 432, A.P. 1699.) 7s. 6d.* *(C) 518*

BIOLOGY

British Museum (Natural History). Biology of water supply, 2nd ed., by A. B. Hastings. *The Museum. 1948. pp.v.49. (Economic series No. 7a.) 1s. 6d.* *(A) 519*

BIOCHEMISTRY

D. Glick. Techniques of histo- and cyto-chemistry; a manual of morphological and quantitative micromethods for inorganic, organic and enzyme constituents in biological materials. *New York: Interscience. 1949. pp.556, illus. $8.* *(C) 520*

BOTANY

***Lady* M. Jex-Blake.** Some wild flowers of Kenya. *Nairobi, Kenya: Highway Press; London: L.G. 1948. pp.154, 120 diagrs. (Highway nature guide series.) 6s.* *(A) 521*

R. O. Williams. The useful and ornamental plants of Zanzibar and Pemba. *Zanzibar: Government Printer; London: Crown Agents for the Colonies. 1949. pp.506, 17 photographs (1 col.). 21s.* 'Alphabetically arranged description of 800 plants.' *(D) 522*

[See also *548, 549*]

ZOOLOGY

R. M. Buchsbaum. Animals without backbones; an introduction to the invertebrates. Rev. ed. *Chicago, Ill.: University of Chicago Press. 1948. pp.417, illus. $6.50. ($5 text ed.)* *(A) 523*

H. A. Dade. The laboratory diagnosis of honey-bee diseases. *Williams & Norgate. 1949. pp.19, 19 illus. (Monographs of the Queckett Microscopical Club, No. 4.) 2s.* *(B) 524*

E. A. R. Ennion. Lapwing. *Methuen. 1949. pp.60, illus. (Field study book.) 6s.* *(A) 525*

E. A. R. Ennion. Life on the sea shore; illustr. by the author. *O.U.P. 1948. pp.76. (Chameleon books, No. 25.) 3s. or 75c. (Toronto.)* *(A) 526*

E. Neal. The badger. *Collins. 1948. pp.xv.158, 30 illus. (1 col.) (New naturalist monograph series.) 12s. 6d.* *(A) 527*

A. Peterson. Larvae of insects; an introduction to Nearctic species. Part 1: Lepidoptera and plant-infesting Hymenoptera. *Columbus, Ohio: The Author. 1948. pp.v.315. 84 pls. $5.* (Obtainable from Ward's Natural Science Establishment, 3000 E. Ridge Road, Rochester, N.Y.) *(C) 528*

HYGIENE

[See *546, 552*]

VETERINARY SCIENCE

F. Brown Hadley. Principles of veterinary science. 4th ed. *W. B. Saunders. 1949. pp.xi.521, illus. 25s.* *(B) 529*

[See also *524*]

ENGINEERING

General

J. K. Finch. Trends in engineering education; the Columbia experience. *New York: Columbia University Press. 1948. pp.140.* $2. 'On the importance of a sound general education and the introduction of research into the graduate's work.' *(A) 530*

[See also *504*]

Automobile

F. J. Camm, *ed.* Diesel vehicles; operation, maintenance and repair. 5th ed. *Newnes. 1949. pp.107, illus. 6s.* 'Devoted entirely to the maintenance of engines in British commercial road vehicles, save for three pages which note the main differences in marine practice. Essentially a practical book.' *(A) 531*

'The Motor.' The motor repair manual; a practical handbook for owner-drivers and amateur mechanics. 9th ed. *Temple Press. 1949. pp.viii.156, illus. 5s.* 'A vade-mecum for the handyman, largely concerned with running repairs which do not require a fully equipped professional workshop.' *(A) 532*

'The Motor' year book, 1949. Comp. by L. Pomeroy and R. Walkerly. *Temple Press. 1949. pp.viii.174, illus. 12s. 6d.* 'A review of the new cars, technical trends, racing and records of 1948.' *(D) 533*

[See also *556*]

Civil

[See *536*]

Electrical

C. L. Boltz. Electricity. *Harrap. 1949. pp.311, frontispiece, illus. (Harrap's torch books.) 8s. 6d.* 'The various aspects of the subject are illustrated with historical anecdotes and "how it works" descriptions.' *(A) 534*

Electrical year book, 1949. Published for *Mechanical World. Emmott. 1949. pp.360, illus. 3s.* *(D) 535*

G. Gerard. Hydro-electric engineering. *Pitman. 1949. pp.x.181, illus. 20s.* *(B) 536*

F. Hope-Jones. Electrical clocks and how to make them. *Percival Marshall. 1949. pp.197, illus. 10s. 6d.* 'Intended primarily for the amateur craftsman.' *(A) 537*

C. J. Mitchell. A manual of electrical technology. *Harrap. 1949. pp.399, 8 pls, diagrs. 21s.* *(B) 538*

H. F. Trewman, *ed.* Electronics in the factory; electronic devices for timing, counting, measurement, process control, inspection, etc., with a survey of medical and surgical aids. *Pitman. 1949. pp.188, illus. 20s.* *(B) 539*

[See also *507*]

Internal Combustion

A. P. Fraas. Combustion engines. *McG.-H. 1948. pp.439. 33s.* 'A college textbook on internal combustion engines, mostly of piston type but with a short chapter also on gas turbines. The work deals with cycles and cycle analysis, fuel injection and fuels, lubrication, cooling, and supercharging with notes on installation and maintenance.' *(B) 540*

[See also Automobile Engineering]

Marine

J. H. Craine. Ship modelling; hints and tips. *Percival Marshall. 1949. pp.117, illus. 10s. 6d.* 'Contains a very helpful chapter on research which enables the reader to recognize a prototype model from any part of the world or from any century of history.' *(A) 541*

Great Britain. Admiralty Ship Welding Committee. Hogging and sagging; M.V. *Newcombia. H.M.S.O. 1948. pp.126. (Report R.2.) 10s.* 'This vessel is partly riveted, and the report is therefore complementary to Report R.1, which deals with the tests on the all-welded *Neverita.*' *(C) 542*

Mechanical

H. G. Conway. Engineering tolerances. *Pitman. 1948. pp.286. 30s.* 'An up-to-date monograph for machine shop and drawing office staffs.' *(C) 543*

F. H. Colvin and F. A. Stanley. Drilling and surfacing practice; drilling, reaming, tapping, planing, shaping, slotting, milling, and broaching. 3rd ed. *McG.-H. 1948. pp.523. 30s.* *(C) 544*

F. H. Colvin and F. A. Stanley. Turning and boring practice. 3rd rev. ed. *McG.-H. 1948. pp.531. 28s. 6d.* 'A revision of a work on lathes, automatic screw machines, boring machines, sintered-carbide tools, machining, cutting oils and coolants.' *(C) 545*

[See also *532, 536*]

Sanitary

G. V. James. Water treatment; a comprehensive guide to the treatment of water for all purposes and effluents purification; sterilization, coagulation, filtration, storage of industrial and domestic water. 2nd ed. rev. and enl. *Kingston Hill, Surrey: Technical Press, Gloucester Rd. 1949. pp.xi.247, illus. 30s.* *(C) 546*

[See also *519*]

AGRICULTURE

General

R. P. Faulkner. Fertilizers and garden manure. *Collingridge. 1949. 127 pages, 16 illus. 6s.* *(A) 547*

The yearbook of agriculture, 1948. Grass. *Washington: United States. Department of Agriculture. 1948. pp.906, tables.* $2. 'The characteristic features of many species are given in notes and tables. Contains articles on breeding, cultivation and conservation. Of interest more to advisory officers than specialists.' *(D) 548*

[See also *500, 524, 552*]

HORTICULTURE

A. J. Macself. Simple rock gardening. New edition. Reprint. *Collingridge. 1949. pp.120, 16 illus. 6s.* 'Deals particularly with the cultivation of rock plants in small town or suburban gardens.' *(A) 549*

[See also *563, 564*]

INDUSTRIAL ORGANIZATION

J. J. Gillespie. Training in foremanship and management. 5th ed. *Pitman. 1948. pp.206. 12s. 6d.* 'A revised and enlarged edition dealing with management theory and methods and motion study in the light of modern developments in administration.' *(C) 550*

F. J. B. Morton. Teamwork in industry. *C. & H. 1948. pp.273. 18s.* 'On the human factor, co-operation, leadership, and discipline.' *(C) 551*

[See also *539*]

FOOD TECHNOLOGY

R. C. Hutchinson. The better utilization of milk. *Sydney: Angus & Robertson, 1948. pp.vi.218, frontispiece, tables. 25s.* 'On the constituents and physical properties of milk and its utilization in various forms. Summarizes advances made in recent years in the treatment of milk.' *(B) 552*

METALLURGY

American Institute of Mining and Metallurgical Engineers. Non-ferrous rolling practice. *New York: The Institute. 1948. pp.237. $5. ($3.50 to A.I.M.E. members.)* *(C) 553*

J. E. Garside. Process and physical metallurgy. *Griffin. 1949. pp.499, illus. 40s.* *(B) 554*

Scientific Film Association and the Joint Committee on Metallurgical Education. Films about metals. *Current Affairs, Ltd., 'Film User' Office, 19 Charing Cross Rd., W.C.2. 1949. pp.47. 3s. 6d.* *(D) 555*

MANUFACTURES

PAINTS

J. H. Cusbey. Cellulose spraying; a guide to finishing motor cars and other metal surfaces with cellulose and synthetics. *Pitman. 1949. pp.ix.86, illus. 8s. 6d.* *(A) 556*

TEXTILES

Carter's directory of the textile industries in Northern Ireland. *Belfast: H. R. Carter Publications Ltd., 2 Marcus Ward St. 1949. pp.117. 8s. 6d.* *(D) 557*

Glossary of cordage terms. *Belfast: H. R. Carter Publications, Ltd. 2 Marcus Ward St. 1948. pp.22. 3s. 6d.* *(D) 558*

TIMBER

Great Britain. Department of Scientific and Industrial Research. The natural durability of timber, by D. N. Smith. *H.M.S.O. 1949. pp.18, frontispiece. (Forest products research records, No. 30; wood preservation series, No. 4.) 6d.* [Describes a field service test to determine the natural durability of different timbers.] *(B) 559*

BUILDING

F. G. and G. F. Ford. On plastering. *A. & U. 1948. pp.88, illus. (The new builders' handbook, No. 6.) 6s.* *(C) 560*

G. Magnel. Pre-stressed concrete; with conversions from the metric system [and assistance in translation] by C. C. Zollman. *Concrete Publications, Ltd., 14 Dartmouth St., S.W.1. 1948. pp.vii.215, illus. (Concrete series.) 15s.* *(C) 561*

N. Tate. On reinforced concrete. *A. & U. 1948. pp.85, illus. (The new builders' handbooks, No. 5.) 5s.* *(C) 562*

TOWN AND COUNTRY PLANNING

H. F. Clark. The English landscape garden. *Pleiades Books, Ltd., 11 Fitzroy Sq., W.1. 1948. pp.64, illus. 12s. 6d.* *(B) 563*

C. Tunnard. Gardens in the modern landscape. 2nd rev. ed. with new material on American gardens, and a note on the modern garden, by J. Hudnut. *New York: Scribner; London: Architectural Press, 9, 11 & 13 Queen Anne's Gate, S.W.1. 1948. pp.184, illus., maps. $5 or 18s. 6d.* *(B) 564*

United Nations. Department of Social Affairs. Housing and town and country planning. *Lake Success, N.Y.: United Nations; London: H.M.S.O. 1948. pp.iii.74. (Bulletin, 1.) 7s. 6d.* 'With a bibliography; printed on one side only.' [See also *500*] *(B) 565*

ARCHITECTURE

H. O. Corfiato. Evolution in architecture; an inaugural lecture, University College, London, 1947. *H. K. Lewis. 1948. pp.i.22. 3s.* *(A) 566*

L. Grodecki. The stained glass of French churches. Translated by R. Edmunds and A. D. B. Sylvester. *Lindsay Drummond. 1948. pp.31. 32 pls. 45s.* *(B) 567*

M. Ketchum. Shops and stores. *New York: Reinhold; London: C. & H. 1948. pp.308, illus. (Progressive architecture library.) $10 or 60s.* *(B) 568*

Royal Institute of British Architects. Industrial architecture; the book of the exhibition and conference, 1949. *The Institute. 1949. pp.38, illus. 1s. 6d.* *(B) 569*

FILM AND PHOTOGRAPHY

Film user year book, 1949; an annual volume of review and reference for all concerned with the screening of 16 mm. film and 35 mm. filmstrip—in industry, education and entertainment. Compiled by J. Montgomery. *Current Affairs Ltd., 19 Charing Cross Road, W.C.2. 1949. pp.xv.256, illus. 10s. 6d.* [Contains very valuable directory sections, bibliographies and information on new equipment, and surveys the present position of visual aids.] *(D) 570*

T. A. Longmore. Medical photography; radiographic and clinical. 4th ed. with a foreword by D. B. McGrigor. *Focal Press. 1949. pp.1008, illus. 50s.* 'Deals comprehensively with the subject.' *(B) 571*

[See also *555*]

BIOGRAPHY

S. Toksvig. Emanuel Swedenborg; scientist and mystic. *Faber. 1949. pp.389, illus. 30s.* 'A serious and well-documented attempt at explaining the arresting phenomenon of a great scientist turning visionary.' *(A) 572*

ERRATUM

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C.U.P. : Cambridge University Press
H.M.S.O. : His Majesty's Stationery Office
L.G. : Longmans, Green
McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
O.U.P. : Oxford University Press

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

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BIBLIOGRAPHY

[See *620, 645, 646*]

LIBRARIANSHIP

A. A. Gautreaux and M. Lally, *comps.* Aviation subject headings; a concise list for civil aviation libraries or collections. *New York: Special Libraries Association. 1949. pp.56. $1.75. (Mimeographed.)* *(D) 573*

PSYCHOLOGY

A. H. Bowley. Modern child psychology. Edited by J. C. Flugel. *Hutchinson. 1949. pp.159. (Hutchinson's university library.) 7s. 6d.* *(A) 574*

ECONOMICS

A. C. Pigou. Employment and equilibrium; a theoretical discussion. 2nd ed. *Macmillan. 1949. pp.x.283. 18s.* *(B) 575*

[See also *639*]

FINANCE

E. R. Fuller. Government financing of private enterprise. *Stanford, Calif.: Stanford University Press; London: O.U.P. 1948. pp.ix.206. $3 or 16s.* *(C) 576*

H. Parkinson. Ordinary shares; a manual for investors. 3rd ed. *Eyre & Spottiswoode. 1949. pp.x.297. 30s.* *(C) 577*

EDUCATION

F. Crossfield Happold. Vision and craftsmanship; studies in ends and means in education. *Faber. 1949. pp.194. 12s. 6d.* *(A) 578*

L. L. Kandel. Education in an era of transition. Published under the auspices of the Year Book of Education. *Evans Brothers. 1949. pp.38. 10s. 6d.* *(A) 579*

[See also *648*]

MATHEMATICS

H. L. Horton. Mathematics at work; practical application of arithmetic, algebra, geometry, trigonometry and logarithms to the step-by-step solutions of mechanical problems, with formulas commonly used in engineering practice, standard reference tables and a concise review of basic mathematical principles. *New York: Industrial Press; Brighton, Sussex: Machinery Publishing Co., Ltd. 1949. pp.xii.726. $6 or 37s.* *(C) 580*

W. E. Street. Technical descriptive geometry. *New York: Van Nostrand; London: Macmillan. 1948. pp.ix.179. $2.75 or 15s.* 'A text and reference book, with numerous worked problems in orthographic projection, auxiliary views, developments and intersections, perspective, etc.' *(C) 581*

T. H. Ward Hill. Mathematics. *Harrap. 1949. pp 342, frontispiece, illus. (Harrap's Torch books). 10s. 6d.* 'Explains the basic elements of mathematics in a way which will enable the general reader to understand the central place mathematics occupies in scientific and technical work.' *(A) 582*

J. H. Wolfe and E. R. Phelps. Practical shop mathematics. 3rd ed. *McG.-H. 1948. Vol.1: pp.xii.371. $2.40 or 14s. 6d. 1949. Vol. 2: pp.xiv.356, illus. $2.60 or 15s. 6d.* [Volume 1 deals with elementary mathematics; volume 2 covers advanced aspects.] *(B) 583*

[See also *615*]

PHYSICS

C. H. Bachman. Techniques in experimental electronics. *New York: Wiley; London: C. & H. 1948. pp.vii.252, illus. $3.50 or 21s.* 'The author deals with the production and measurement of vacua, glass seals, preparation of cathodes, utilization of charged particles in vacuo or at very low pressures.' *(C) 584*

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CRYSTALLOGRAPHY

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ENGINEERING

General

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Aeronautical

F. J. Camm. Model aeroplane handbook; a guide to the design, construction and flying of all types of model aircraft. *Newnes. 1949. pp.312. 12s. 6d.* (*A*) *603*

Automobile

S. Abbey. Automobile transmission overhaul. *Pitman. 1949. pp.vii.119, illus. (Pitman's automobile maintenance series.) 8s. 6d.* 'A practical manual on repair of clutches, fluid flywheels, gearboxes, rear axles, etc.' (*C*) *604*

Civil

S. Gale. Drainage of land, estates and buildings; with legal notes on drainage bye-laws. *C. & H. 1948. pp.viii.248, figs., pls. 22s.* (*C*) *605*

E. E. Mann. An introduction to the practice of civil engineering. 2nd ed. *Macmillan. 1949. pp.314. 8s. 6d.* 'For the use of college students about to take up a junior position in a civil engineer's office.' (*B*) *606*

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Electrical

A. H. Avery. Small A.C. transformers. Rev. ed. *Percival Marshall. 1948. pp.76. 3s.* (*C*) *607*

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[See also *592*]

Electrical Communications

E. Molloy, *ed.* Outline of radio. *Newnes. 1949. pp.688, 503 illus. 21s.* 'Contributions by R. S. Elven, T. J. Fielding, E. Molloy, H. E. Penrose, C. A. Quarrington, M. G. Say, R. C. Walker and G. Windred.' (*A*) *610*

Internal Combustion

G. G. Smith, *ed.* The modern diesel; high speed compression-ignition oil engines and their fuel-injection systems. 11th ed. Revised and rewritten by D. H. Smith. *Iliffe. 1949. pp.277, diagrs., photographs, tables. 7s. 6d.* 'The major part of this book is devoted to the description of current makes of engine suited for road vehicles.' (*A*) *611*

Marine

C. L. D. Duckworth and G. E. Langmuir. Railway and other steamers. *Glasgow: Shipping Histories. 1948. pp.340. 30s.* 'One of a series of books on river steamers and similar small craft.' (*A*) *612*

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R. C. Oldenbourg and H. Sartorius. The dynamics of automatic controls; translated from the German and edited by H. L. Mason. *New York: American Society of Mechanical Engineers. 1948. pp.276. $7.50.* 'On the underlying mathematical principles of the control loop, with some worked examples. There are also chapters on the treatment of non-linearities, the on-off regulator, and the theory of the excursion-dependent periodic controller. *(C) 615*

A. C. Parkinson and W. H. Dawney. Thread-grinding and measurement. *Pitman. 1949. pp.x.227, illus., tables. 21s.* *(C) 616*

H. P. Smith. Farm machinery and equipment. 3rd ed. *McG.-H. 1948. pp.520. 30s.* 'Includes post-war development in agricultural implements.' *(C) 617*

RAILWAY

J. I. C. Boyd. Narrow gauge rails to Portmadoc; an historical survey of the Festiniog-Welsh highland railway and its ancillaries. Illustrated by R. E. Tustin *Tanglewood, South Godstone, Surrey: Oakwood Press. 1949. pp.154, pls. 17s. 6d.* *(A) 618*

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AGRICULTURE

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[See also *614, 617*]

HORTICULTURE

W. A. R. Dillon Weston and J. H. Stapeley. Diseases and insect pests of vegetables. *L.G. 1949. pp.74, figs. 4s.* 'A carefully written booklet for the amateur gardener with illustrations by A. Murray.' *(A) 626*

G. L. Wittrock. The pruning book; fruit trees and ornamentals. *Emmaus, Pa.: Rodale Press; London: Biotechnic Press, Monomark: BCM/Biotechnic, W.C.1. 1948. pp.172, 23 illus. $3 or 15s.* *(B) 627*

TRANSPORT

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INDUSTRIAL ORGANIZATION

C. L. Guest. The technique of industrial labour payment; setting forth the fundamental principles of time study and payment by result. *Macdonald & Evans. 1948. pp.198. 35s.* 'On the remuneration system of the Dunlop Rubber Company, the author being their chief efficiency engineer. Time and motion study, premium bonus plans, and machine operation times are considered.' *(C) 629*

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Rural Industries Bureau. Costing for the country craftsman. *The Bureau. [1949.] pp.24. (Publication No. 51.) 1s.* 'Presents a plan for charging-up customers in one-man and two-man businesses. Contains a list of local experts in rural areas in Great Britain from whom help on the more difficult points, bound to occur in individual occupations, may be sought.' *(B) 631*

H. Samuels. Factory law. 4th ed. *Stevens and Sons. 1948. pp.674. 45s.* 'The first Act to amend the consolidating Act of 1937 was passed in 1948. It is included with annotations, and changes of liability are explained.' *(C) 632*

G. T. Trundle, jr., *ed.* Managerial control of business. *New York: Wiley; London: C. & H. 1948. pp.viii.403. $5 or 30s.* 'Written by the staff of an American firm of management consultants. Covers all aspects of industrial operations.' *(B) 633*

FUEL TECHNOLOGY

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L. T. Love and J. M. Goldie. The students' handbook to the science of milk and milk products. Edited by G. H. Purvis. *Worcester: Littlebury. 1949. pp.175, diagrs. 12s. 6d.* 'On the chemistry and bacteriology of milk, both raw and processed. Contains a useful glossary.' *(B) 636*

METALLURGY

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Food

Aslib guides to sources of information in Great Britain. No. 3.: Beverages and food. *Aslib. 1949. pp.[ix.]44. 12s. 6d. (10s. to Aslib members.)* [Contains information on the relevant libraries and loan services and gives details of organizations in Great Britain which are the main sources of information on beverages and food; and lists relevant periodicals, directories, annuals and yearbooks.] *(D) 645*

PAPER

Aslib guides to sources of information in Great Britain. No. 1: The paper industry. *Aslib. 1948. pp v.10. 2s. 6d. (2s. to Aslib members.)* [Contains information on the relevant libraries and loan services; gives details of organizations in Great Britain, which are the main sources of information on the paper industry; and lists relevant periodicals, directories, annuals and yearbooks.] *(D) 646*

Verstone & Co., Ltd. The manufacture of paper containers; the revised text-book on paper box and bag making. 3rd ed. *The Company. 1949. pp.271, illus. 21s.* 'A practical text-book on methods and equipment used for the manufacture of paper containers.' *(B) 647*

BUILDING

Great Britain. Ministry of Labour and National Service and Central Office of Information. Building. Published for the Central Youth Employment Executive. *H.M.S.O. 1948. pp.24, illus. (Choice of careers. New series, No. 2.) 6d.* *(A) 648*

F. B. Turpin. Heating and air-conditioning for buildings. *Pitman. 1948. pp.286. 30s.* 'Advises on the installation of suitable equipment and the economical use of fuel.' *(C) 649*

[See also *605*]

ARCHITECTURE

J. Cloag and D. Bridgwater. A history of cast iron in architecture. *A. & U. 1948. pp.395, illus. 63s.* 'A collection of photographs of cast iron bridges, fireplaces, balconies, columns, roofs and buildings, gates and other designs, with historical notes.' *(A) 650*

J. and R. Hooper. Modern furniture and fittings; with specialized sections by G. H. Chantrell and H. O. Cheeseman. *Batsford. 1948. pp.xviii.327, figs., pls. 42s.* 'Includes church furniture.' *(B) 651*

R. Lutyens and H. Greenwood. An understanding of architecture. *People's Universities Press. 1948. pp.116, illus. 6s. 6d.* [For sale by J. Barrie Publishers, Ltd., 3–4 Clement's Inn, Strand, London, W.C.2.] *(A) 652*

W. G. Warren. Handbook of perspective. 3rd ed. *C. Lockwood. 1948. pp.xi.68, pls. 10s. 6d.* [Perspective from the architect's point of view.] *(B) 653*

FILM

C. A. Hill. Cinefilm projection; a practical manual for users of all types of 16 mm. and sub-standard film projectors. 2nd ed *Fountain Press. 1949. pp.180, 16 figs., 20 diagrs. 8s. 6d. (board) or 10s. 6d. (cloth).* *(A) 654*

GEOGRAPHY

The South and East Africa yearbook and guide; with atlas, town places and diagrams. 49th ed. Edited by A. G. Brown. *Sampson Low. 1948. pp.lxxx. 1163, 63 maps. 8s. 6d.* *(D) 655*

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C.U.P. : Cambridge University Press
H.M.S.O. : His Majesty's Stationery Office
L.G. : Longmans, Green
McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
O.U.P. : Oxford University Press

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

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LIBRARIANSHIP

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United States. Library of Congress. Subject Cataloguing Division. Subject headings used in the dictionary catalogs of the Library of Congress. 5th ed. Edited by N. J. Martin. *Washington: The Library. 1948. pp.viii.1204. $6.50.* *(D) 657*

STATISTICS

M. G. Kendall. Rank correlation methods; an account of the new ranking techniques used in statistical research. *Griffin. 1948. pp.vii.160. 18s.* 'A description of a statistical technique applicable when a series of items can be arranged in order of merit in respect of certain characteristics, but whose characteristics cannot be given numerical value.' *(C) 658*

ECONOMICS

F. Benham. Economics. 4th ed. *Pitman. 1948. pp.xvii.542. 12s. 6d.* 'The final chapter now deals with post-war economic problems instead of war economics. Factual information is brought up to date as far as 1946. Gives a clear exposition of theory, illustrated by numerous graphs, an account of the economic system as it worked until recently, and describes changes now taking place.' *(B) 659*

EDUCATION

British Council. Higher education in Great Britain and Ireland; a handbook for students from overseas. Published for the British Council and Universities Bureau of the British Empire. *L.G. 1948. pp.112, illus. 3s. 6d.* *(A) 660*

Scottish Council for Research in Education. Studies in reading. *University of London Press. 1948. Vol. 1: pp.xv.212. (Publications of the Scottish Council for Research in Education, xxvi.) (Convener of the Committee on Reading: W. B. Inglis.) 5s.* *(B) 661*

MATHEMATICS

H. H. R. Daish, W. Embleton and J. H. Sword. Reed's practical mathematics for marine engineers. 8th ed. *Sunderland: Thomas Reed & Co., Ltd., High St. West. 1949. pp.122, illus. 35s.* *(B) 662*

***Sir* E. Whittaker.** The modern approach to Descartes' problem. *Nelson. 1948. pp.30. 1s. 6d.* 'Text of the Herbert Spencer lecture, Oxford, 1948. An account of fundamental philosophic enquiries in modern science.' *(A) 663*

[See also *688*]

ASTRONOMY

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[See also *667*]

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H. Morton. Science for handicraft students; a textbook dealing with the scientific principles which underlie craftsmanship in wood and metal. 2nd ed. rev. and enl. *Spon. 1949. pp.221, illus. 15s.* 'Includes many experiments which can be carried out with relatively simple equipment.' *(A) 668*

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***Sir* E. Whittaker.** From Euclid to Eddington; a study of conceptions of the external world. *C.U.P. 1949. pp.212. 15s.* 'Based on a series of lectures given by the author at Cambridge in 1947, the book outlines the Greek ideas concerning space, and then traces historically the evolution of the concepts of classical physics, general relativity and quantum mechanics, and concludes with a review of the work of unification achieved by Eddington. Essential ideas are never obscured by intricate mathematical presentation.' *(C) 671*

[See also *663, 665, 677, 686, 723*]

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R. H. Griffith. The practice of research in the chemical industries. *Oxford: Clarendon Press. 1949. pp.184. 12s. 6d.* 'Summarizes the essential points of research management and principles.' *(B) 673*

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ACCIDENT PREVENTION

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ENGINEERING

General

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Electrical

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[See also *670*]

MARINE

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A. C. Hardy. The book of the ship; an exhaustive pictorial and factual survey of world ships, shipping and shipbuilding. *New York: Macmillan; London: Low. 1949. pp.322, illus. $8 or 30s.* 'Can also be recommended to students of marine engineering.' *(A) 699*

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[See also *662, 696*]

MECHANICAL

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AGRICULTURE

GENERAL

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[See *701*]

INDUSTRIAL ORGANIZATION

C. H. Lawshe. Principles of personnel testing. *McG.-H. 1948. pp.xi.227. (McGraw-Hill industrial organization and management series.) $3.50 or 21s.* *(C) 713*

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[See also *673*]

CHEMICAL TECHNOLOGY

L. Diserens. The chemical technology of dyeing and printing; vat, sulfur, indigosol, azo and chrome dyestuffs and their auxiliaries. Translated from 2nd German ed. by P. Wengraf and H. P. Baumann. *New York: Reinhold; London: C. & H. 1948. pp.522, tables. $11 or 66s.* *(C) 716*

V. Thurstan. The use of vegetable dyes for beginners. *Leicester: The Dryad Press. 1949. pp.32. 2s. 6d.* 'The chief dye plants found in Great Britain are listed and recipes given for their use. Recipes for dyestuffs from foreign countries are also included.' *(A) 717*

T. F. West, H. J. Strausz and D. H. R. Barton. Synthetic perfumes; their chemistry and preparation. *E. Arnold. 1949. pp.viii.380. 70s.* 'Essentially a book for the chemist. The main chemical classes of compounds used as perfumes are discussed in successive chapters.' *(B) 718*

[See also *731*]

FUEL TECHNOLOGY

D. H. Rowlands. Coal; yesterday, to-day and to-morrow. *Harrap. 1949. pp.163, illus. 8s. 6d.* 'A well-illustrated book, essentially for junior school reading.' *(A) 719*

METALLURGY

American Society for Metals. Sleeve-bearing metals; a series of educational lectures, presented to the members of the Society; during the twenty-eighth National metal congress and exposition, Atlantic City. Edited by R. W Drayton. *Cleveland, Ohio: The Society. 1949. pp.256, illus.* $5. *(C) 720*

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Rubber

[See *687*]

Textiles

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W. Middlebrook. Practical warp gaiting. *Manchester, 3: Emmott, 31 King St. West. 1949. pp.107, 64 figs. (Textile Manufacturer monographs, No. 7.) 3s. 6d. (B) 726*

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TIMBER

H. J. Hansen. Modern timber design. 2nd ed. *New York: Wiley; London: C. & H. 1948. pp.viii.312, illus. $4.50 or 27s.* 'During the war the working stress for timber in structures was increased by about 20 per cent. This edition is based on the new stresses, and covers the grading of timber, mechanics of wood, fastenings and preservation.' *(C) 730*

[See also *731*]

BUILDING

E. H. Pinto. Wood adhesives. *Spon. 1948. pp.180, 8 pls. (Architectural and building series.) 12s. 6d.* *(C) 731*

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G. B. Barker. An introduction to planning. *Percival Marshall. 1948. pp.vii.84, 8 pls. 3s. 6d.* *(A) 733*

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ARCHITECTURE

G. Grigson. An English farmhouse and its neighbourhood. *Max Parrish, 51 Rathbone Pl., W.1. 1948. pp.128, 30 pls. (Studies in composition and tradition. J. Piper, gen. ed.) 21s.* 'Plates in colour from photographs by P. Hennel.' *(B) 735*

P. R. Wickham. Modelled architecture. *Percival Marshall. 1948. pp.vii.161, illus. 12s. 6d.* *(A) 736*

PHOTOGRAPHY

M. K. Kidd and C. W. Long. Film strip and slide projection. *Focal Press. 1949. pp.152, illus. 7s. 6d.* *(A) 737*

GEOGRAPHY

H. G. Stokes. English place-names. *New York and London: Batsford; Toronto: Irvin Clarke. 1948. pp.viii.120, 64 photographs. $3.75 or 12s. 6d. (or $3.25 Toronto).* *(A) 738*

[See also *656*]

PUBLISHERS

A LIST of British publishers is enclosed with the first issue of each year. The following abbreviations are used in the *Aslib Book-List :*

A. & U. : Allen & Unwin
C. & H. : Chapman and Hall
C.U.P. : Cambridge University Press
H.M.S.O. : His Majesty's Stationery Office
L.G. : Longmans, Green
McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
O.U.P. : Oxford University Press

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

ASLIB BOOK-LIST

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SCIENTIFIC RESEARCH

P. Freeman. The principles of scientific research; with a foreword by J. W. T. Walsh. *Macdonald. 1949. pp.222, diagrs. 15s.* 'Development of scientific method and the relation of scientific research to society and to philosophy; practical aspects under chapter headings "Planning of research," "Accuracy and economy of effort," etc.' *(B) 739*

BIBLIOGRAPHY

[See *740, 744, 788*]

LIBRARIANSHIP

Special Libraries Association. Public administration libraries; a manual of practice; prepared by a committee of the social science group of the Special Libraries Association (with book lists in chapter II revised, 1948). *Chicago, Ill.: Public Administration Service, 1313 E. 60th St. 1948. pp.91. (Publication No. 102.) $2.50.* *(B) 740*

MUSEUMS

A. S. Wittlin. The museum; its history and its task in education. *Routledge. 1949. pp.297, illus. (International library of sociology and social reconstruction.) $8.50 or 25s.* *(A) 741*

PSYCHOLOGY

A. S. Neill. The problem family; an investigation of human relations; with an introduction by G. Watson. *New York: Hermitage; London: H. Jenkins; Toronto: L.G. 1949. pp.160. $2.75 or 7s. 6d. or $2.25 (Toronto).* *(A) 742*

P. E. Vernon and J. B. Parry. Personnel selection in the British forces. *University of London Press. 1949. pp.326, 16 figs., 96 tables. 20s.* *(B) 743*

EDUCATION

American Council on Education. An analytical bibliography of modern language teaching. Vol. II: 1937-42. Organized for the Committee on Modern Languages, American Council on Education, by A. Coleman; compiled by C. Breslov King and C. Balluff; edited by R. H. Fife. *New York: King's Crown Press. 1949. pp.viii.549. $5.50.* *(D) 744*

[See also *741*]

DICTIONARIES

A. Bray. Russian-English scientific-technical dictionary. *New York: International Universities Press. 1945; London: A. & U. 1949. pp.xiv.551. $10 or 50s.* (*D*) *745*

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MATHEMATICS

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[See also *768*]

BOTANY

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General

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Aeronautical

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Automobile

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Civil

J. H. Bateman. Introduction to highway engineering; a textbook for students of civil engineering. 5th ed. *New York: Wiley; London: C. & H. 1948. pp.ix.538, illus. $5.50 or 33s.* (*B*) *776*

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ELECTRICAL

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ELECTRICAL COMMUNICATIONS

W. T. Perkins. Elementary telecommunications practice; covering the syllabus of the City and Guilds of London Institute examination. *Newnes. 1948. pp.272. 12s. 6d.* *(B) 780*

MARINE

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MECHANICAL

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Railway engineering and maintenance cyclopedia; an authoritative manual of engineering, maintenance and signalling including descriptions, illustrations and methods of use of the materials, equipment and devices employed in the construction and maintenance of tracks, bridges, buildings, water service, signals and other fixed railway properties and facilities. 7th ed. *Chicago: Simmons-Boardman Publishing Co. 1948. pp.1218. $8.* *(D) 786*

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INDUSTRIAL ORGANIZATION

[See *739*, *771*]

CHEMICAL TECHNOLOGY

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FOOD TECHNOLOGY

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METALLURGY

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MANUFACTURES

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A. Lakeman. Concrete houses and small garages; concrete cottages, bungalows and garages. 4th ed. *Concrete Publications, Ltd., 14 Dartmouth St., S.W.1. 1949. pp.vii.150, illus. (Concrete series.) 8s. 6d.* *(B) 810*

[See also *777*]

TOWN AND COUNTRY PLANNING

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National House-Builders' Registration Council. Good house-building; an explanation to owners and occupiers of houses of the way in which good building standards may be assured. *The Council. 1949. pp.16, illus. 6d.* *(A) 813*

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T. Manning. A summer on Hudson Bay; with an appendix on the birds of north-western Ungava. *Hodder & Stoughton. 1949. pp.224, 24 photographs. 12s. 6d.* *(A) 818*

PUBLISHERS

A LIST of British publishers is enclosed with the first issue of each year. The following abbreviations are used in the *Aslib Book-List :*

A. & U. : Allen & Unwin
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C.U.P. : Cambridge University Press
H.M.S.O. : His Majesty's Stationery Office
L.G. : Longmans, Green
McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
O.U.P. : Oxford University Press

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

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A title-page, classified table of contents, and index are issued with the last number of each volume.

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LIBRARIANSHIP

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M. Plant. The supply of foreign books and periodicals to the libraries of the United Kingdom; report of a survey made under the auspices of the Rockefeller Foundation. *Library Association. 1949. pp.iii.60. 2s. 6d. (2s. to members of the Association).* (*C*) *820*

STATISTICS

[See *876*]

ECONOMICS

C. C. Killingsworth. State labor relations Acts; a study of public policy. *Chicago: University of Chicago Press. 1948. pp.x.328.* $4. (*C*) *821*

[See also *883*]

EDUCATION

R. Armfelt. Education; new hopes and old habits. *Cohen and West; Simpkin, Rossmore Court, Park Rd., N.W.1. 1949. pp.185. 10s. 6d.* (*A*) *822*

N. M. Comber. Agricultural education in Great Britain. *L.G. 1948. pp.28. (British Council Science in Britain series.) 1s. 6d.* (*A*) *823*

W. K. Richmond. Purpose in the junior school. *Redman, 4 Fitzroy St., Fitzroy Sq., W.1. 1949. pp.230, illus. 8s. 6d.* (*A*) *824*

[See also *834*, *877*]

DICTIONARIES

[See *835*, *883*, *898*]

MATHEMATICS

R. C. Archibald. Outline of the history of mathematics. 6th ed. *Menasha, Wis.: Mathematical Association of America. 1949. pp.114.* $1. 'Issued as Vol. 56, No. 1, Part 2 of the *American Mathematical Monthly*.' (*A*) *825*

G. N. Watson. A treatise on the theory of Bessel functions. 2nd ed. *C.U.P. 1948. pp.804. 60s.* (*C*) *826*

ASTRONOMY

G. P. Kuiper. The atmospheres of the planets. *Chicago, Ill.: University of Chicago Press. 1948. pp.vii.366, 16 pls. $7.50.* (*C*) *827*

PHYSICS

R. S. Burdon. Surface tension of liquids. 2nd ed. *C.U.P. 1949. pp.xi.92, illus.* (*Cambridge monographs on physics.*) *12s. 6d.* 'On underlying principles rather than on experimental details.' (*B*) *828*

S. Devons. Excited states of nuclei. *C.U.P. 1949. pp.viii.152, diagrs.* (*Cambridge monographs on physics.*) *12s. 6d.* (*C*) *829*

G. Gamow and C. L. Critchfield. Theory of atomic nucleus and nuclear energy-sources. 3rd ed. rev. *O.U.P. 1949. pp.344, 67 illus.* (*International series of monographs on physics.*) *30s.* 'A completely rewritten version of Gamow's *Structure of atomic nucleus and nuclear transformations.* Contains an unusually detailed treatment of thermo-nuclear reactions.' (*C*) *830*

G. F. J. Garlick. Luminescent materials. *O.U.P. 1949. pp.viii.245, illus.* (*Monographs on physics and chemistry of materials.*) *21s.* 'Describes recent researches on the physical properties of luminescent materials and is concerned both with theoretical and experimental studies.' (*C*) *831*

A. R. Miller. The adsorption of gases on solids. *C.U.P. 1949. pp.viii.133.* (*Cambridge monographs on physics.*) *12s. 6d.* 'A sequel to the Cambridge physical tract written by J. K. Roberts in 1939.' (*C*) *832*

[See also *873*]

CHEMISTRY

Faraday Society and the Société de Chimie Physique. Surface chemistry; papers presented for discussion at a joint meeting of the Societies, Bordeaux, 5–9 October, 1947, in honour of Professor Henri Devaux. *Butterworth. 1949. pp.334. 25s.* (*21s. to subscribers to "Research"*). 'Some of the papers are in French with long English summaries.' (*C*) *833*

H. L. Heys. Chemistry experiments at home for boys and girls; containing instructions for boys and girls of eleven to eighteen on how to set up a chemistry laboratory at home and how to carry out over three hundred safe, easy, and interesting experiments, including the preparation of invisible ink, glass, soap, plastics, and artificial silk, the growing of crystals, the performing of chemical magic, the collection of gases, etc. *Harrap. 1949. pp.237, illus. 10s. 6d.* (*A*) *834*

J. F. Thorpe and M. A. Whiteley. Thorpe's dictionary of applied chemistry. Vol. 9: Fatty-Pituitary body. 4th ed. *L.G. 1949. pp.671. 80s.* (*D*) *835*

[See also *860, 862, 873, 875*]

GEOLOGY

Great Britain. Department of Scientific and Industrial Research. Geology of the Northern Pennine Orefield. Vol. 1: Tyne to Stainmore. *H.M.S.O. 1948. pp.357. (Memoirs of the Geological Survey of Great Britain: England and Wales.) 17s. 6d.* *(C) 836*

C. R. Longwell, A. Knopf and R. F. Flint. Physical geology. 3rd ed. *New York: Wiley; London: C. & H. 1948. pp.xvii.602. $5 or 40s.* *(C) 837*

BOTANY

R. N. Salaman. The history and social influence of the potato; with a chapter on industrial uses by W. G. Burton. *C.U.P. 1949. pp.xxiv.686, frontispiece, 1 chart 23 figs., 2 maps, 32 photographs, 3 tables. 50s.* *(B) 838*

A. G. Tansley. Britain's green mantle; past, present and future. *A. & U. 1949. pp.xii.294, 144 photographs. 18s.* 'Describes the natural vegetation found in Britain, tracing the story of changes in the face of the country since the Great Ice Age with a glimpse of the natural vegetation of the future.' *(A) 839*

[See also *864*]

ZOOLOGY

W. J. Baerg. Introduction to applied entomology. 3rd ed. rev. *Minneapolis, Minn.: Burgess Publishing Co. 1949. pp.vii.191, 208 figs. $3.50.* *(B) 840*

R. E. and R. M. Blackwelder. Leng catalogue of coleoptera of America, north of Mexico. Fifth supplement 1939 to 1947 (inclusive). *Mount Vernon, N.Y.: J. D. Sherman, jr. 1948. pp.87. $7.50.* *(D) 841*

F. E. D'Amour and F. R. Blood. Manual for laboratory work in mammalian physiology. *Chicago: University of Chicago Press. 1948; London: C.U.P. 1949. pp.179, illus. (Chicago University Committee on Biology and Medicine publications.) $2.75 or 22s.* *(B) 842*

R. T. Hatt and others. Island life; a study of the land vertebrates of the islands of eastern Lake Michigan. *Bloomfield Hills, Mich.: Cranbrook. 1948. pp.xi.179, illus. (Bulletin No. 27.) $4.* *(B) 843*

E. T. Schenk and J. H. McMasters. Procedure in taxonomy; including a reprint in translation of the Règles internationales de la nomenclature zoölogique with titles of and notes on the opinions rendered to the present date (1907–1947) completely indexed. Rev. ed. enlarged and in part rewritten by A. M. Keen and S. W. Muller. *Stanford, Calif.: Stanford University Press; London: O.U.P. 1948. pp.vii.93. $2.50 or 20s.* *(C) 844*

ACCIDENT PREVENTION

Great Britain. Department of Scientific and Industrial Research. Report of the Fire Research Board; with the report of the Director for Fire Research for the year 1948. *H.M.S.O. 1949. pp.iv.32, illus. 1s.* *(D) 845*

[See also *870*]

ENGINEERING

General

F. J. Camm, *ed.* Newnes engineer's reference pocket book. 3rd ed. *Newnes. 1949. pp.1608, illus. 45s.* 'This edition contains approximately 300 additional pages.' *(D) 846*

Aircraft

H. Glauert. Elements of aerofoil and airscrew theory. Rev. ed. *C.U.P. 1948. pp.232. 15s.* 'The author was a well-known authority on propeller theory and his book was first published in 1926. This edition has been revised by his son, with some annotations on recent development by H. B. Squire.' *(C) 847*

Automobile

E. Hawks. The book of the Ford "Prefect" (10 h.p.). *Gregg. 1948. pp.140. 6s.* *(C) 848*

W. A. G. Martin. The Hillman Minx handbook; a complete guide for owners and prospective owners of all models from 1932 to 1946. 2nd ed. *Pitman. 1948. pp.235. 3s. 6d.* *(C) 849*

The Motor. *The Motor* manual; a practical handbook dealing with the working principles, construction, maintenance and economic running of the motor car, together with a chapter on the law as it affects motorists. 33rd ed. *Temple Press, Bowling Green Lane, E.C.1. 1949. pp.xviii.256. illus. 5s.* *(A) 850*

[See also *855, 869*]

Civil

L. B. Escritt. The municipal engineer. *New York: Macmillan; London: A. & U. 1949. pp.252. (Town and county hall series, No. 5.) $2 or 7s. 6d.* *(C) 851*

International Association for Bridge and Structural Engineering. Third congress, Liége, 13–18 September, 1948. Preliminary ed. *Zürich: The Association. 1948. pp.698, figs. 48s.* *(C) 852*

Electrical

Great Britain. Electricity Commission. Generation of electricity in Great Britain; year ended 31st December, 1947: analyses and summaries of the returns of fuel consumption and units generated at the stations operated by authorized electricity undertakers. *H.M.S.O. 1949. pp.20. 2s. 6d.* *(C) 853*

J. Markus and V. Zeluff. Handbook of industrial electronic circuits. *McG.-H. 1948. pp.xv.272. $6.50.* *(C) 854*

The Motor. *The Motor* electrical manual. 10th ed. *Temple Press, Ltd., Bowling Green Lane, E.C.1. 1949. pp.179. 5s.* *(C) 855*

INTERNAL COMBUSTION

[See *873*]

MARINE

G. S. Baker. Ship design, resistance and screw propulsion. Vol. 1: The design of ship forms and their resistance. Rev. ed. *Liverpool, 2: Journal of Commerce and Shipping Telegraph, 17 James St. 1949. pp.248, illus. 42s.* (*C*) *856*

MECHANICAL

E. Buckingham. Analytical mechanics of gears. *McG.-H. 1949. pp.546, illus. 60s.* 'This book provides a most comprehensive mathematical analysis as a basis of design and will serve as a source book for designers.' (*C*) *857*

Machinery Publishing Co., Ltd. Taper calculation and inspection; methods of accurate inspection; taper angle tolerances; tables specially compiled to facilitate calculation; numerical examples. *Brighton: The Company, National House, West St. 1949. pp.74, diagrs. (Machinery's yellow back series, No. 25.) 3s. 6d.* (*B*) *858*

AGRICULTURE

GENERAL

J. F. Cox and L. E. Jackson. Crop management and soil conservation. 2nd ed. *New York: Wiley; London: C. & H. 1948. pp.xxii.572. $3.80 or 30s. 6d.* (*C*) *859*

E. R. de Ong. Chemistry and uses of insecticides. *New York: Reinhold. 1948; London: C. & H. 1949. pp.345, illus. $6 or 48s.* (*C*) *860*

V. C. Fishwick. Pigs; their breeding, feeding and management. 3rd ed. Edited by H. C. Long. *C. Lockwood. 1949. pp.252, 68 illus. 15s.* (*B*) *861*

D. E. H. Frear. Chemistry of insecticides, fungicides and herbicides. 2nd ed. *New York: Van Nostrand; London: Macmillan. 1948. pp.x.417. $6 or 45s.* [Now follows chemical rather than biological lines. The new edition is revised and contains new chapters on DDT and organic fungicides.] (*C*) *862*

[See also *823, 838*]

FORESTRY

R. C. Hawley and P. S. Stickel. Forest protection. 2nd ed. *New York: Wiley; London. C. & H. 1948. pp.x.355. $4.50 or 36s.* (*C*) *863*

HORTICULTURE

Commonwealth Bureau of Horticulture and Plantation Crops. Growth substances and their practical importance in horticulture, by H. L. Pearse. *Penglais, Aberystwyth: The Commonwealth Agricultural Bureau, Central Sales Branch. 1948. pp.233. (Technical Communication, No. 20.) 12s. 6d.* (*C*) *864*

A. H. Hoare. Vegetable crops for market and processing. 3rd ed. *C. Lockwood. 1949. pp.336. 15s.* (*B*) *865*

Scientific horticulture; the journal of the Horticultural Education Association, *1949.* Vol. 9. Edited by R. T. Pearl. *Norwich, Norfolk: Jarrold & Son, Ltd., London St. 1949. pp.175. 10s. (stiff cover) or 7s. (paper cover).* (*B*) *866*

Soil Science

N. Humphrey. Africans and their land. Book 4: The problem of soil erosion. *Nairobi: The Highway Press; London: L.G. 1949. pp.79. 1s. 2d.* *(A) 867*

T. I. Williams, *ed.* The soil and the sea; a symposium. *Saturn Press, 10 Friar St., Carter Lane, E.C.4. 1949. pp.242. 10s. 6d.* *(A) 868*

[See also *859*]

TRANSPORT

C. S. Dunbar. Goods vehicle operation; principles and practice for students and executives. Published for *Motor Transport. Iliffe. 1949. pp.150, 25 diagrs., 22 photographs. 10s. 6d.* *(B) 869*

INDUSTRIAL ORGANIZATION

Great Britain. Ministry of Labour and National Service. Annual report of the Chief Inspector of Factories for the year 1947. *H.M.S.O. 1949. pp.127. 2s. 6d.* *(D) 870*

W. Rautenstrauch and R. Villers. The economics of industrial management. *New York: Funk & Wagnalls Co. 1949. pp.xxi.451. $5.* *(C) 871*

[See also *821, 885*]

FUEL TECHNOLOGY

D. Chandler and A. D. Lacey. The rise of the gas industry in Britain. *British Gas Council. 1949. pp.156, 54 illus. 15s.* *(A) 872*

B. Pugh and J. M. A. Court. Fuels and lubricating oils for internal combustion engines. *Pitman. 1949. pp.169. 15s.* 'An elementary work which includes chapters on the anti-knock rating of fuels and on their chemical and physical properties.' *(C) 873*

L. F. Stemp and R. A. Wing. The Gas Act, 1948. *Butterworth. 1949. pp.v.242.xxii. 21s.* *(D) 874*

FOOD TECHNOLOGY

K. S. Rangappa and K. T. Achaya. The chemistry and manufacture of Indian dairy products. *Bangalore City: Bangalore Printing and Publishing Co. Ltd. 1948. pp.xi.189. Rs.10.* *(B) 875*

METALLURGY

American Metal Market. Metal statistics. *New York: American Metal Market, 18 Cliff St., N.Y.7. 1949. pp.800. $2.* *(D) 876*

J. R. Ferguson. Technical metalcraft for schools; a course of practical instruction intended to develop skill in craftsmanship through the medium of present-day methods of metal working. *Batsford. 1948. pp.92. 7s. 6d.* *(B) 877*

F. Johnson. Metal working and heat treatment manual. Vol. 3: Surface hardening process. *Paul Elek, 38 Hatton Garden, E.C.1. 1949. pp.185, diagrs. 21s.* 'This volume deals with carburizing, cyaniding, nitriding, flame hardening, and surface protection during heat treatment.' *(C) 878*

F. Koenigsberger. Welding technology. *Cleaver-Hume Press, Ltd., 42a South Audley St., W.1. 1949. pp.280, illus. 21s.* 'This may be said to be the sequel to the author's previous work, *Design for Welding in mechanical engineering.*' *(B) 879*

C. L. Mantell. Tin; its mining, production, technology, and applications. 2nd ed. *New York: Reinhold. 1949. pp.573. $10.* *(C) 880*

A. H. Sully. Metallic creep and creep-resistant alloys. *Butterworth. 1949. pp.278. 25s.* *(C) 881*

United Steel Cos., Ltd. Elements of rolling practice. *Sheffield, Yorks.: The Companies. 1949. pp.128. 10s. 6d.* *(B) 882*

MANUFACTURES

General

India. Council of Scientific and Industrial Research. The wealth of India; a dictionary of Indian raw materials and industrial products. Vol. 1: Raw materials. Part 1: A–B. Vol. 2: Industrial products. Part 1: A–B. *New Delhi: The Council. 1948. Vol. 1: pp.xxvii.253. Rs.15; vol. 2: pp.xii.182. Rs.8.* *(D) 883*

E. J. Stowe. Crafts of the countryside. *L.G. 1948. pp.128, frontispiece, figs., 54 pls. $2.50 or 10s. 6d.* *(A) 884*

Glass

W. C. Scoville. Revolution in glassmaking; entrepreneurship and technological change in the American industry, 1880–1920. *Cambridge, Mass.: Harvard University Press; London: O.U.P. 1948. pp.xvii.398. $5 or 40s.* *(C) 885*

Pottery

C. W. Parmelee. Geramic glazes. *Chicago, Ill.: Industrial Publications Inc. 1948. pp.ix.321. $7.50.* *(B) 886*

E. Rosenthal. Pottery and ceramics; from common brick to fine china. *Harmondsworth, Mddx.: Penguin Books. 1949. pp.304, illus. (Pelican books, A 201.) 1s. 6d.* *(A) 887*

Textiles

G. A. Bennett. An introduction to automatic weaving. *Manchester: Harlequin Press. 1948. pp.208, illus. (Textile recorder series.) 15s.* *(B) 888*

L. G. Lawrie. A bibliography of dyeing and textile printing; comprising a list of books from the sixteenth century to the present time (1946). *C. & H. 1949. pp.143. 15s.* *(D) 889*

BUILDING

Great Britain. Department of Scientific and Industrial Research. Gypsum and anhydrite plasters, by H. Andrews. *H.M.S.O. 1948. pp.iv.16. (National building studies, Bulletin No. 6.) 6d.* *(C) 890*

Great Britain. Ministry of Works. Advisory Council on Building Research Development. Report. *H.M.S.O. 1949. pp.20. 6d.* *(C) 891*

[See also *845*]

TOWN AND COUNTRY PLANNING

Great Britain. Ministry of Town and Country Planning; and **Scotland. Department of Health for Scotland.** Town and country planning (control of advertisements) regulations, 1948. Explanatory memorandum. *H.M.S.O. 1949. pp.11. 3d.* *(B) 892*

T. Sharp. Georgian city; a plan for the preservation and improvement of Chichester. *Southern Publishing Co., Ltd., Ludgate House, Fleet St., E.C.4. 1949. pp.54, maps, pls. 7s. 6d.* *(B) 893*

ARCHITECTURE

G. H. Cook. Portrait of Canterbury cathedral. *Phoenix House, Ltd., 38 William IV St., W.C.2. 1949. pp.64, illus., map. (The English cathedrals series.) 12s. 6d.* *(B) 894*

K. Edwards. The English secular cathedrals in the Middle Ages; a constitutional study with special reference to the fourteenth century. *Manchester: The Manchester University Press. 1949. pp.xv.415, frontispiece, 3 pls. (Manchester University publications, No. ccci; historical series, No. lxxxii.) 25s.* 'A work published under the Tout Memorial Publication Fund.' *(B) 895*

Georgian Group. Recommended books on Georgian architecture and decoration. *The Group. 1949. pp.15. (Georgian pamphlets, No. 15.) 1s.* *(D) 896*

Great Britain. Ministry of Works. War and archaeology in Britain; the excavations of ancient sites and preservation of historic buildings. *H.M.S.O. 1949. pp.56, illus. 1s. 6d.* 'Includes a plan of City of London damaged areas; list of chief secular war-damaged buildings.' *(B) 897*

GEOGRAPHY

W. G. Moore. A dictionary of geography; definitions and explanations of terms used in physical geography. *Harmondsworth, Mddx.: Penguin Books. 1949. pp.182, illus. (Penguin reference books, R 2.) 1s. 6d.* *(D) 898*

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PUBLISHERS

A LIST of British publishers is enclosed with the first issue of each year. The following abbreviations are used in the *Aslib Book-List :*

A. & U. : Allen & Unwin
C. & H. : Chapman and Hall
C.U.P. : Cambridge University Press
H.M.S.O. : His Majesty's Stationery Office
L.G. : Longmans, Green
McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
O.U.P. : Oxford University Press

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications

A title-page, classified table of contents, and index are issued with the last number of each volume.

ASLIB BOOK-LIST

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SCIENTIFIC RESEARCH

H. Butterfield. The origins of modern science, 1300–1800. *G. Bell. 1949. pp.217. 10s. 6d.* 'The outstanding developments in the mathematical, physical and biological sciences are reviewed in a manner which will be appreciated by both historian and scientist.' *(C) 899*

BIBLIOGRAPHY

T. Besterman. A world bibliography of bibliographies and of bibliographical catalogues, calendars, abstracts, digests, index, and the like. 2nd ed. rev. and enl. Vol. 2: I–Z; vol. 3: Index. *The Author, 25 Park Crescent, W.1. 1949. Not paginated. Vol. 2: [columns] 1451–3196; vol. 3 [columns] 3197–4111. 170s. (both vols.)* *(D) 900*

[See also *901, 923, 968*]

LIBRARIANSHIP

K. C. Cassidy and J. Redfield. Library classification scheme and selected bibliography of traffic engineering literature. *New Haven, Conn.: Yale University. Bureau of Highway Traffic. 1948. pp.118. Gratis.* *(B) 901*

Library Association. The place of the public library in the care of records: a symposium of personal views: an account of recent deliberations on the provision of scientific information; the resources of special libraries in London available to the public; research in librarianship; research in a restricted area; work with young people in London; reference library policy in medium-sized towns; being papers read at the week-end conference of the London and Home Counties Branch of the Library Association, held at Folkestone, October 1949. *The Association. 1949. pp.41. 5s.* *(C) 902*

Library Association year book, 1949. *The Association. 1949. pp.547, frontispiece. 8s. 6d.* 'Contains inter alia full list of members, regulations and syllabus of examinations, graded lists of text and reference books, and notes on facilities for the training in librarianship.' *(D) 903*

Special Libraries Association. Committee of the Engineering Aeronautics Section of the Science Technology Group. Subject headings for aeronautical engineering libraries. *New York: The Association. 1949. pp.256. $4. (Planographed.)* *(D) 904*

PSYCHOLOGY

N. R. F. Maier. Frustration; the study of behaviour without a goal. *McG.-H. 1949 pp.xiii.264, pl. (McGraw-Hill publications in psychology.) $3.50.* 'Reports original experimental work in animal psychology and discusses its implications for the theory of motivation.' *(C) 905*

United Nations Educational, Scientific and Cultural Organization. The influence of home and community on children under thirteen years of age. *Paris: UNESCO. 1949. pp.53, illus. (Towards world understanding, 6.) 1s.* [This pamphlet is not an official expression of the views of UNESCO, but a report of international seminars, held under the auspices of UNESCO.] *(B) 906*

[See also *907*]

EDUCATION

W. Stephenson. Testing schoolchildren; an essay in educational and social psychology. *L.G. 1949. pp.127, pl. $2.75.* *(B) 907*

United Nations Educational, Scientific and Cultural Organization. The education and training of teachers. *Paris: UNESCO. 1949. pp.61, illus. (Towards world understanding, 2.) 1s.* [This pamphlet is not an official expression of the views of UNESCO, but a report of international seminars, held under the auspices of UNESCO.] *(A) 908*

United Nations Educational, Scientific and Cultural Organization. In the classroom with children under thirteen years of age. *Paris: UNESCO. 1949. pp.63, illus. (Towards world understanding, 5.) 1s.* [This pamphlet is not an official expression of the views of UNESCO, but a report of international seminars, held under the auspices of UNESCO.] *(B) 909*

United Nations Educational, Scientific and Cultural Organization. Some suggestions on teaching about the United Nations and its specialized agencies. *Paris: UNESCO. 1949. pp.26. (Towards world understanding, 1.) 6d.* *(B) 910*

Workers' Educational Association. The W.E.A.; the next phase, by S. G. Raybould; with an introduction by R. H. Tawney. *The Association. 1949. pp.xiii.106. 3s. 6d.* *(A) 911*

[See also *906*]

DICTIONARIES

I.F. and D. W. Henderson. Dictionary of scientific terms; pronunciation, derivation and definition of terms in biology, botany, zoology, anatomy, cytology, embryology, physiology. 4th ed., by J. H. Kenneth. *Edinburgh: O. & B. 1949. pp.xvi.480. 32s.* *(D) 912*

MATHEMATICS

E. Kasner and J. Newman. Mathematics and the imagination. *Bell. 1949. pp.xiv.381, illus. 15s.* 'Illustrated with drawings and diagrams by R. Isaacs the work describes in non-technical fashion some of the simple questions from which important problems in modern science have arisen, emphasizing the two basic constituents, logic and imagination.' *(A) 913*

F. D. Murnaghan. Introduction to applied mathematics. *New York: Wiley. 1948. pp.ix.389. (Applied mathematics series.) $5.* *(B) 914*

D. E. Smith. Number stories of long ago. New ed. *Ginn. 1948. pp.viii.158. 3s. 6d.* *(A) 915*

[See also *899*]

ASTRONOMY

J. de Sacro Bosco. Sphere, and its commentators; [a critical edition of the Latin text] by L. Thorndike. *Chicago, Ill.: University of Chicago Press. 1949. pp.x.495. $10.* 'This volume is the second of a corpus of mediaeval scientific texts sponsored jointly by the Mediaeval Academy of America and the University of Chicago, under the general supervision of the Committee on Mediaeval Science of the Academy. The present volume contains commentaries by Robert of England and Cecco d'Ascoli.' *(C) 916*

[See also *919, 943*]

PHYSICS

S. Dushman. Scientific foundation of vacuum technique. *New York: Wiley. 1949. pp.ix.882, illus. $15.* *(C) 917*

M. Born. Atomic physics. 4th ed. Translated from the German by J. Dougall. *Blackie. 1948. pp.370. 25s.* 'A textbook of nuclear physics and quanta, originally published in 1946.' *(C) 918*

F. Hoyle Some recent researches in solar physics. *C.U.P. 1949. pp.x.134, diagrs. (Cambridge monographs on physics.) 12s. 6d.* *(C) 919*

M. V. Wilkes. Oscillations of the earth's atmosphere. *C.U.P. 1949. pp.ix.76, diagrs. (Cambridge monographs on physics.) 12s. 6d.* *(C) 920*

[See also *899, 967*]

CHEMISTRY

F. Feigl. Chemistry of specific selective and sensitive reactions. Translated by R. E. Oesper. *New York: Academic Press, Inc. 1949. pp.xiv.740. $13.50.* *(C) 921*

C. E. Marshall. The colloid chemistry of silicate minerals. *New York: Academic Press. 1949. pp.ix.195, illus. (American Society of Agronomy. Agronomy, a series of monographs, vol. 1.) $5.80.* *(C 922)*

United States. Department of Agriculture. Agricultural Research Administration. Bureau of Entomology and Plant Quarantine. A second list of publications on benzene hexachloride, by C. V. Bowen. *Washington: The Department. 1948. pp.37. Gratis. On request. (Processed.)* *(D) 923*

GEOPHYSICS

[See *920*]

BIOLOGY

[See *899, 912*]

BOTANY

[See *912, 958*]

ZOOLOGY

S. Ali. Indian hill birds. *O.U.P. 1949. pp.240, 76 illus. (64 in colour.) 30s.* *(A) 924*

G. H. Bourne. The mammalian adrenal gland. *O.U.P. 1949. pp.244, figs., pls. 30s.* 'Glands of more than 250 species are described.' *(B) 925*

E. J. Gordon. Coleoptera or beetles east of the Great Plains. *Wilmington, Ohio: The Author, 392 Prairie Avenue. 1949. pp.181, 449 illus. $3.50.* *(B) 926*

Great Britain. British Museum (Natural History). Instructions for collectors. No. 4A: Insects, by J. Smart. 2nd ed. *The Museum. 1949. pp.viii.174, 40 figs. 3s. 6d.* (*A*) *927*

C. Longfield. Dragonflies of the British Isles. New ed. *Warne. 1949. pp.256, illus.* (*Wayside and woodland series.*) *17s. 6d.* (*B*) *928*

G. E. and N. MacGinitie. Natural history of marine animals. *McG.-H. 1949. pp.xii.473, 281 figs., 1 pl* $6. 'The book contains general scientific material of use to the layman, the teacher and student.' (*A*) *929*

F. J. W. Roughton and J. C. Kendrew, *eds.* Haemoglobin; a symposium based on a conference held at Cambridge in June 1948 in memory of Sir Joseph Barcroft. *Butterworth. 1949. pp.320, 85 diagrs. 40s* (*1s. postage.*) (*C*) *930*

E. C. Zimmerman. Insects of Hawaii; a manual of the insects of the Hawaiian Islands; including an enumeration of the species and notes on their origin, distribution, hosts, parasites, etc. *Honolulu: University of Hawaii Press. 1948. Vol. 2: pp.xx.206. $3.50.; vol. 2: pp.viii.475. $5.50; vol. 3: pp.255. $4.50; vol. 4: pp.vii.268. $4.50; vol. 5: pp.vii.464. $6.* [Sponsored by Bernice P. Bishop Museum, Experimental Station of Hawaiian Sugar Planters' Association and University of Hawaii.] (*B*) *931*

ENGINEERING

General

R. W. Abbett. Engineering contracts and specifications. 2nd ed. *New York: Wiley. 1948. pp.xi.327. $3.75.* 'The legal practice indicated is American, but there should be general information of use to British readers on such matters as competitive-bid contracts, construction insurance, and principles of specification writing.' (*C*) *932*

F. H. Colvin and L. L. Haas. Jigs and fixtures; a reference book showing many types of jigs and fixtures in actual use, and suggestions for various cases. 5th ed. *McG.-H. 1948. pp.410. 27s.* 'In this revised edition there is new matter on aeroplane assembly fixtures, fixtures for welding for mass production, and on others for use in railway shops.' (*C*) *933*

Aircraft

Northrop Aeronautical Institute. Technical Development Staff. Aircraft power plants. Edited by C. E. Chapel. *McG.-H. 1948. pp.278. 36s.* (*C*) *934*

Royal Aeronautical Society. Data sheets: Aerodynamics. *The Society. 1948. Loose-leaf folio. 108s.* (*C*) *935*

Royal Aeronautical Society. Data sheets: Stressed skin structures. *The Society. 1948. 2 vols. loose-leaf folio. 205s.* (*C*) *936*

[See also *904*]

Automobile

L. Pomeroy. The Grand Prix car, 1906–1939. *Abingdon, Berks: Motor Racing Publications, Ltd. 1949. pp.419, illus. 105s.* (*A*) *937*

Civil

P. W. Abeles. The principles and practice of prestressed concrete. *C. Lockwood. 1949. pp.109. 15s.* 'Based on a series of articles in *Civil Engineering*, this book should be helpful to designers of prestressed concrete beams.' (*C*) *938*

American Society of Heating and Ventilating Engineers. Heating, ventilating and air conditioning guide, 1949. *New York: The Society. 1949. pp.1384. $7.50.* 'Includes technical data of reference material on the design and specification of heating, ventilating, and air conditioning systems.' *(D) 939*

P. L. Capper and W. F. Cassie. The mechanics of engineering soils; with a foreword by L. Scott White. *Spon. 1949. pp.270, 122 illus. (Civil engineering series. Edited by C. A. Hart.) 21s.* *(B) 940*

B. H. Knight. Soil mechanics for civil engineers. *E. Arnold. 1948. pp.255. 21s.* *(C) 941*

ELECTRICAL

T. H. Carr. Electric power supply. *Bradford, Yorks.: C. Williams, 69 Swan Arcade. 1949. pp.60, 1 illus. 2s.* 'A brief guide to the field of power supply containing articles which have appeared in the *Beama Journal.*' *(A) 942*

F. Hope-Jones. Electrical timekeeping. 2nd ed. *N.A.G. Press, 226 Latimer Court, Hammersmith Road, W.6. 1949. pp.279. 21s.* 'A revision of the author's classic work. A new chapter on the quartz crystal clock, now used in observatories, has been included.' *(C) 943*

A. D. Knowlton, *ed.* Standard handbook for electrical engineers; prepared by a staff of specialists. 8th ed. *McG.-H. 1949. pp.xi.2311. $12.* 'This handbook has been revised to include modern developments in servo-mechanisms, radar, nuclear energy, etc.' *(D) 944*

E. Molloy, *ed.* Newnes' electrical installations; covering the syllabus of the Associate Member Examination of the Institution of Electrical Engineers. 2nd ed. rev. and enl. *Newnes. 1949. pp.544, diagrs., tables. 15s.* *(B) 945*

S. H. Moorfield and H. H. Winstanley. Mechanics and applied heat with electrotechnics; a textbook for engineers. 2nd ed. *E. Arnold. 1948. pp.388. 7s. 6d.* 'For the final year's course for Ordinary National Certificate.' *(B) 946*

[See also *956*]

ELECTRICAL COMMUNICATION

G. A. Briggs. Sound reproduction. *Idle, Bradford, Yorks.: Wharfedale Wireless Works, Bradford Road. 1949. pp.143, diagrs. 7s. 6d.* 'Written with particular reference to the domestic and small hall reproduction of sound.' *(B) 947*

MARINE

Great Britain. Science Museum. Handbook of the collections illustrating merchant steamers and motor-ships, by H. P. Spratt. Part 2: Descriptive catalogue. *H.M.S.O. 1949. pp.152. 3s. 6d.* *(A) 948*

[See also *959*]

MECHANICAL

British Compressed Air Society. B.C.A.S. handbook of pneumatic equipment. 2nd ed. *The Society. 1949. pp.209. 20s.* 'Certain sections of the handbook are revised, particularly that on turbo-compressors. Air consumption tables for pneumatic tools have been added.' *(D) 949*

F. P. Bundy, T. E. Eagan, and R. L. Boyer. Wear as applied particularly to cylinders and piston rings. *Mount Vernon, Ohio: The Cooper-Bessemer Co. 1948. pp.129, illus. $3.50.* 'The authors deal with the theory of friction and wear, constant and variable pressure tests of wear, results of wear testing, and with design aspects of cylinder and ring wear. There are graphs and photomicrographs.' *(C) 950*

V. M. Faires. Theory and practice of heat engines. *Macmillan. 1948. pp.388. 25s.* 'A fairly advanced textbook, with emphasis on the underlying laws of thermodynamics. Problems and answers are provided.' *(C) 951*

H. H. Freeman. Turret tooling. 2nd ed. *Pitman. 1948. pp.136. 12s. 6d.* 'Detailed information for the layout man on the tools used on turret and capstan lathes.' *(C) 952*

P.E.P. (Political and Economic Planning). Agricultural machinery; a report on the industry. *The Organization. 1949. pp.110. (P.E.P. engineering reports, 1.) 10s. 6d.* 'A report on the organization and structure of the industry, its products and its market prospects at home and abroad.' *(D) 953*

[See also *933*]

Railway

P. R. Wickham. A book of model railways. *Percival Marshall. 1949. pp.298, diagrs., photographs, tables. 15s.* 'This book, parts of which have appeared in the magazine *Modern Railway Construction*, deals with planning, layout, trackwork, locomotive power, control and signalling, rolling stock, stations and scenic setting and stresses the value of model engineering from the historical point of view.' *(A) 954*

AGRICULTURE

W. A. L. David. Air transport and insects of agricultural importance. *Commonwealth Institute of Entomology. 1949. pp.11. 1s. 6d.* *(B) 955*

G. Gerard. Electricity for farmers. *Kingston Hill, Surrey: The Technical Press, Gloucester Road. 1949. pp.111, illus. 6s.* *(B) 956*

[See also *923*, *953*]

Horticulture

R. B. Dawson. Practical lawncraft. Rev. ed. *C. Lockwood. 1949. pp.315, illus. 15s.* *(B) 957*

W. G. Sheat. Propagation of trees, shrubs and conifers. *Macmillan. 1948. pp.xii.479, illus. $7.50 or 25s.* *(B) 958*

TRANSPORT

***Shipping World* year book, 1949–1950;** general maritime information, statutory rules and regulations, statistical tables, classified world directories of shipowners, shipbuilders, ship-repairers, towing services, marine engine builders, etc., training for the merchant navy, shipping and shipbuilding organizations, "Who's who" in the shipping world. 62nd ed. Edited by Sir Archibald Hurd. *"The Shipping World" Offices, Effingham House, Arundel Street, Strand, W.C.2. 1949. pp.1027. 25s.* *(D) 959*

[See also *901*, 955]

INDUSTRIAL ORGANIZATION

Federation of British Industries. Report of the conference of industrial research directors and managers, organized by the F.B.I. Industrial Research Committee and held at Ashborne Hill, Leamington Spa, Warwickshire, 11 to 14 March, 1949. Chairman: Sir Wallace Akers. *The Federation. 1949. pp.123. 2s. 6d.* (*C*) *960*

H. A. Simpson. Industrial accountancy. 2nd ed. *Pitman. 1948. pp.205. 25s.* (*C*) *961*

A. W. Willsmore. Business budgets and budgetary control. 3rd ed. *Pitman. 1949. pp.203. 15s.* 'Minor changes have been made in this edition.' (*C*) *962*

A. P. Young. American management technique and practice and their bearing on productivity in British industry. *Institution of Works Managers. 1949. pp.70. 2s. 6d.* 'The report of a five-week investigation during which the author examined the economic and industrial structure of American industry, its management, organization and methods, and productivity and its relationship to installed motive power.' (*C*) *963*

CHEMICAL TECHNOLOGY

R. F. Goldstein. The petroleum chemicals industry. *Spon. 1949. pp.449, 46 charts. (Industrial chemistry series.) Edited by H. M. Bunbury. 63s.* 'Deals predominantly with aliphatic compounds. In addition to a detailed study of the chemistry of these materials, Dr. Goldstein has included many valuable statistical tables giving production figures in various countries.' (*C*) *964*

FUEL TECHNOLOGY

Great Britain. Department of Scientific and Industrial Research. Fuel Research. The effect of certain factors on the efficiency of a hand-fired, natural-draught Lancashire boiler. *H.M.S.O. 1949. pp.33, frontispiece, diagrs., tables. (Technical paper No. 55.) 1s.* (*C*) *965*

A. N. Sachanen. Conversion of petroleum; production of motor fuels by thermal and catalytic processes. 2nd ed. rev. and enl. *New York: Reinhold. 1948. pp.xii.502. $11.* (*C*) *966*

METALLURGY

B. Chalmers, *ed.* Progress in metal physics. *Butterworth. 1949. pp.464, 141 figs., 39 pls. 45s. (1s. 3d. postage.)* 'This is the first volume of an annual series describing progress in various branches of metal physics.' (*C*) *967*

R. D. Misch and others. Bibliographic survey of corrosion, 1945; a compilation of corrosion abstracts. *Houston 6, Tex.: National Association of Corrosion Engineers, 905 Southern Standard Building, 711 Main Street. 1948. pp.129. $5.* (*B*) *968*

C. J. Smithells, *ed.* Metals reference book. *Butterworth. 1949. pp.720, 500 diagrs. 60s. (1s. 3d. postage).* 'Contains a comprehensive collection of data on metallurgy and metal physics presented wherever possible in tabular or diagrammatic form. General tables such as first aid, conversion, and mathematical formulae are also included.' (*D*) *969*

MANUFACTURES

METAL WORKING

J. W. Lillico. Blacksmith's manual illustrated; a practical treatise on modern methods of production for blacksmiths, apprentice blacksmiths, engineers and others. 3rd impression. *Kingston Hill, Surrey: Technical Press, Ltd., Gloucester Road. 1949. pp.viii.211, illus. 15s.* 'Showing many methods and tools employed by the craft' *(B) 970*

PAINTS

F. M. Crewdson. Spray painting; industrial and commercial. 2nd ed. *Wilmette, Ill.: Frederick J. Drake & Co. 1949. pp.169, illus. $2.* *(C) 971*

PLASTICS

***British Plastics* yearbook, 1949.** *Iliffe. 1949. pp.508. 30s.* 'The chief purpose of this annual is to provide a directory of makers of materials and equipment. There is also a review of recent patents.' *(D) 972*

BUILDING

United States. Department of Commerce. National Bureau of Standards. Fire resistance of structural clay tile partitions, by H. D. Foster and others. *Washington: Superintendent of Documents. 1948. pp.ii.19, illus. 15c.* *(C) 973*

United States. Department of Commerce. National Bureau of Standards. Temperatures in a test bungalow with some radiant and jacketed space heaters. *Washington: Superintendent of Documents. 1949. Not paginated. (Building materials and structures reports, 114.) 25c.* *(C) 974*

[See also *939*]

TOWN AND COUNTRY PLANNING

Great Britain. Ministry of Town and Country Planning. Reports of the Aycliffe, Crawley, Harlow, Hemel Hempstead and Stevenage Development Corporation 19[47–]48. New Towns Act, 1946. *H.M.S.O. 1949. pp.86. 1s. 6d.* *(C) 975*

ARCHITECTURE

G. D. G. Hake and E. H. Button. Architectural drawing; a practical handbook. 2nd ed. *Batsford. 1948. pp.vii.96, figs., 23 pls. 12s. 6d.* *(B) 976*

M. Sisson. Country cottages. *Methuen. 1949. pp.64, illus. (Field study books.) 6s.* *(A) 977*

GEOGRAPHY

R. H. Coats, *ed.* Canada overseas reference book; including the North West Territories, the Yukon, Labrador and Newfoundland. *Todd Reference Books, Ltd. 1949. pp.513, illus. 105s.* *(D) 978*

PUBLISHERS

A LIST of British publishers is enclosed with the first issue of each year. The following abbreviations are used in the *Aslib Book-List :*

A. & U. : Allen & Unwin
C. & H. : Chapman and Hall
C.U.P. : Cambridge University Press
H.M.S.O. : His Majesty's Stationery Office
L.G. : Longmans, Green
McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
O.U.P. : Oxford University Press

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THE WORK

OF

ASLIB

July 1948 to December 1949

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THE WORK OF ASLIB

July 1948 to December 1949

THE formation, in May, 1949, of the new Aslib, incorporating the Association of Special Libraries and Information Bureaux and the British Society for International Bibliography, led to a change in the dating of Aslib's financial year, which will now run from January to December instead of from July to June. This report, therefore, extends over eighteen months and links the activities of the old organization with those of its successor.

Amongst many important changes, first place must be given to the retirement of Miss E. M. R. Ditmas from the directorship. As the principal officer of the Association since 1933, she had been largely responsible for its transformation from a small group of enthusiasts to a recognized institution with national and international responsibilities. Miss Ditmas, who for some time had wished to give up the increasing burden of administrative responsibility in order to devote more time to study and research, felt that the substantial completion of the changes recorded below made this an appropriate moment to do so. The Council, in accepting her resignation, adopted the following minute:

> 'Her intellectual distinction, her quick insight into new developments in documentation and her understanding of their significance for the wider world have ensured the high academic level of Aslib's work and its appreciation by outsiders. At the same time her personal sympathy and accessibility have kept it in touch with the daily needs and interests of a diverse and growing body of members. Her tenacity has ensured Aslib's survival through difficult times and its progress in circumstances that have never been easy; her personality has gained for Aslib something of the respect and affection which those who have worked with her will always feel for her personally. She has served Aslib faithfully and well through a crucial time, and has laid solid foundations for its future growth. The Council looks forward to her continued association with that growth, and wishes her every happiness in the years to come.'

The members of the Association will all desire to associate themselves with the appreciation and good wishes expressed by the Council.

Miss Ditmas had desired that her Directorship should terminate at the end of 1949, but agreed to continue in office for a further two months until her successor, Mr. Leslie Wilson, M.A., formerly foreign editor of *The Times Educational Supplement*, could take up his duties. The Council feels sure that under his able guidance and direction the future development and progress of Aslib is fully assured. This appointment, though but one, and an important one, of the many developments, may prove to have been a veritable milestone in the history of the Association, now entering upon the 26th year of its existence.

The termination in 1949 of the first five-year period of financial aid by the Government through the Department of Scientific and Industrial Research, and the opening of negotiations for a further grant on better terms, led to the necessity for a close evaluation of Aslib's activities in order to draw up a programme for the next five years. This revealed that Aslib's most pressing problems, in the autumn of 1948, were due in large measure to overcrowding and lack of modern equipment at the Aslib office in Bloomsbury Street, and to the fact that lack of

capital made it almost impossible for Aslib to remedy this state of affairs out of its own resources. The investigation also showed clearly that the increase in printing and other overhead costs, together with the natural growth in services, including free periodicals, which Aslib was now giving to its members, were not being adequately met by the membership subscriptions, and one of the conditions of the renewal of Government aid was that Aslib should increase the subscription rates for new members and should appeal to existing members to consider making a corresponding increase in their contributions. As will be seen from the notes under 'Finance', this appeal met with an encouraging response and did much to help Aslib through a most critical year. The terms of the new grant will also be found under that heading.

Once the support of the Government was assured, the Council of Aslib gave its serious attention to the possibility of finding better premises. Unfortunately, suitable accommodation was both very scarce and prohibitively expensive. Countless buildings were inspected and various suggestions were laid before the Council, but it was not till October, 1949, that the premises at Palace Gate, recently derequisitioned by the Ministry of National Insurance, became available. It would be difficult to exaggerate the value of the work performed by the Hon. Treasurer in securing these premises and supervising the transfer from Bloomsbury. The necessary redecoration was made possible through a special Government grant, and the same fund enabled Aslib to instal additional furniture and equipment which was so desperately needed. The move to 4 Palace Gate, Kensington, W.8, was completed by the end of January, 1950.

Considerable changes among the staff also took place in 1949. In August, Mr. Philip May, who had acted as Deputy Director and who had done useful work in the drafting of the new *Memorandum and Articles of Association*, left to take up another post. His loss was felt in several directions in which his particular experience had been so helpful. In November Mrs. Nicolson left Aslib to be married, and in December Mrs. Fischer, the librarian, left to take up work in the British Transport Commission. In the interests of economy the Council decided not to fill these positions for the time being, particularly as it was felt that the final pattern of the staff could not be decided until new premises made possible a better use of existing personnel.

Despite the inevitable checks caused by reorganization and the move, routine activities have proceeded as usual, and are summarized below under their respective headings.

The Council

The legal formalities necessary upon the incorporation of the new Aslib were not completed until 24 May, 1949, and as a consequence the combined Councils of the British Society for International Bibliography and the Association of Special Libraries and Information Bureaux, which took office as a Joint Council in January, 1948, had perforce to continue to direct the Association's affairs until the election of the Council of the new Aslib in August, 1949. A full list of the Joint Council was published in the February, 1948, issue of *Aslib Information*. During this period the Council suffered a serious loss through the sudden death, on 13 November, 1948, of Dr. S. C. Bradford, President of the British Society for International Bibliography and long-standing member of the Aslib Council.*

The Council of the new Aslib was elected at the First General Meeting which was held on 19 August, 1949, the list of names being printed in full in the August, 1949, issue of *Aslib Information*. Dr. Percy Dunsheath, C.B.E., M.A., D.Sc., M.I.E.E., became President of the new organization, and Sir John Forsdyke,

* Obituary notice will be found in *Aslib Information*, December, 1948, and *Journal of Documentation*, December, 1948, Vol. 4, No. 3.

K.C.B., M.A., F.S.A., A.R.I.B.A., Professor R. S. Hutton, M.A., D.Sc., Sir Harry Lindsay, K.C.I.E., C.B.E., and Sir Henry Tizard, G.C.B., A.F.C., D.C.L., LL.D., F.R.S., F.Inst.P., F.R.Ae.S., honoured Aslib by accepting the Council's invitation to become Vice-Presidents. An account of the proceedings of the First General Meeting was printed in the September, 1949, issue of *Aslib Information.*

The Executive and Finance Committee

The Executive and Finance Committee, elected in January, 1948, continued in office until September, 1949, holding eleven meetings during this period.

The new Executive and Finance Committee was appointed by the Council at its first meeting on 11 September, 1949, and is as follows: Mr. C. Le Maistre (Chairman of Council), Mr. G. Woledge (Honorary Secretary), Mr. J. E. Wright (Honorary Treasurer), the Chairman of the four Committees (Education, Conference and Meetings, Publications, and Information and Library), Mr. Agard Evans, Mr. J. F. Stanley, Miss N. Sullivan and Dr. D. J. Urquhart. This Committee met three times in 1949.

Finance

Owing to the change in the beginning of Aslib's financial year, there are two sets of audited accounts covering the 18 months under review, i.e., for the period 1 July to 31 December, 1948,* and again for the twelve months ending 31 December, 1949. These accounts are open to inspection by members. As indicated in the *Year's Work of Aslib*, 1947-8, printed in *Aslib Proceedings*, Vol. 1, No. 2, the development of the organization from a small association of specialists to an institution with national and international responsibilities had created a new and difficult financial situation which was even then receiving the anxious attention of the Aslib Council. By the autumn of 1948 the excess of expenditure over income was reaching an uncomfortably high level yet it seemed impossible to carry out drastic economies without curtailing services to members, a policy which would inevitably have led to a decline in membership and this in turn to a further decrease of income. At the same time negotiations with the Department of Scientific and Industrial Research were in progress regarding the possible renewal, for a further term of five years, of the Government grant which had been of such signal benefit to Aslib since 1944. Early in 1949 a new grant was offered, on a pound-for-pound basis, provided that Aslib could increase its membership, its membership income, and the all-round services it was prepared to offer. The Council therefore agreed to raise the rates of subscriptions for all new members and to appeal to existing members to make corresponding increases in their contributions. On this understanding, the Department agreed to new terms of grant as follows:

1949—£2,500 for a minimum total of £2,500 grant-earning income, plus £100 for every completed £100 grant-earning income up to a maximum additional £500.

1950—£4,000 grant for a minimum of £4,000 grant-earning income, plus £100 for every completed £100 grant-earning income up to a maximum additional £1,000.

1951
1952 —£5,000 grant for a minimum of £5,000 grant-earning income, plus £100
1953 for every completed £100 grant-earning income up to a maximum additional £1,000.

To this generous offer was added a special grant for capital expenditure on new equipment and for special projects in 1949 and 1950.

* Circulated to all members in a printed leaflet August 1949.

In accordance with this policy, as subscriptions became due month by month throughout 1949, corporate members of Aslib were approached and asked to increase their contributions. The response has been most encouraging, over 73 per cent of those approached having agreed to bring their subscriptions into line with the rates fixed for new members. This increased support has proved of the utmost value since it enabled Aslib to earn the higher Government grant in 1949 which, in turn, made it possible to move into better premises. More spacious offices have removed a cause of frustration felt by the staff who could not give of their best in the overcrowded and ill-equipped premises at Bloomsbury Street.

Membership

Membership increased to 1,052 on 31 December, 1949, as against 1,010 on 30 June, 1948. The approximate distribution is now as follows: Research associations, learned societies, etc., 32·34 per cent; individuals, 19·12 per cent; industrial and commercial organizations, 19·98 per cent; overseas members, 19·61 per cent; British Government Departments, 8·95 per cent.

A list of members, grouped alphabetically under countries, and with a further classification by subjects, is in the press and will be issued as *Aslib Proceedings*, Vol. 1, No. 3.

Some preliminary work was done towards the organization of a drive to secure new members. It is planned to conduct a systematic campaign during 1950 so that the fullest advantage may be taken of the generous grant promised by DSIR.

The Northern Branch

During the period under review the Northern Branch organized two one-day conferences and three ordinary meetings.

The first of the conferences took place on 7 December, 1948, at Newcastle upon Tyne on the general theme of the value of an organized information service to industry. The Chair was taken by Mr. R. Trevor Jenkins, Technical Manager of Vickers-Armstrongs, Ltd., and papers were presented by Dr. V. E. Parke, Mr. Austin Hinton, Mr. R. O. MacKenna, Mr. T. E. Nicol, Miss J. Scurfield, Mr. R. Brightman and Miss E. M. R. Ditmas. The conference, which was opened by the Right Honourable the Lord Mayor of Newcastle upon Tyne, Alderman T. McCutcheon, J.P., was organized largely by a local committee under the chairmanship of Mr. E. Austin Hinton and with the aid of Mr. Cahill-Byrne who acted as Hon. Secretary. An account of the conference was printed in the January, 1949, issue of *Aslib Information*, and it is intended that the papers, in full or in summary, shall ultimately appear in *Aslib Proceedings*.

A second one-day conference was organized in Edinburgh on 16 May, 1949, on the subject of information and library services in Scotland. The conference was opened by Sir John L. Falconer, a former Lord Provost of Edinburgh, and the Chair was taken by Mr. Douglas A. Foulis, President of the Edinburgh Chamber of Commerce. Papers, which in due course will appear in *Aslib Proceedings*, were presented by Dr. L. W. Sharp, Dr. D. G. Brown, Mr. P. W. Thomas, Mr. R. Brightman and Miss E. M. R. Ditmas. The conference then considered a proposal that a Scottish Branch of Aslib should be created and, the response being favourable, the Steering Committee which had been responsible for the organization of the conference was asked to go forward with the election of a Committee and the other steps necessary for the formation of a new Branch. An account of the conference appeared in the June, 1949, issue of *Aslib Information*.

The first of the ordinary meetings of the Northern Branch was held on 28 January, 1949, to consider the training of the Information Officer, and in particular the desirability or otherwise of instituting a post-graduate qualification for such officers. This meeting was a consequence of the discussion on the training of the Information Officer at the September Annual Conference in 1948, and was reported in *Aslib Information*, March, 1949.

Sir Charles G. Renold presided over another meeting on 28 October, 1949, when Mr. A. D. Butchart, of the Manchester Joint Research Council, presented a paper on 'Information work in the small firm'. Mr. Butchart was followed by Mr. E. N. Simons, of Messrs. Edgar Allen & Co., Ltd., who spoke on 'How the manufacturer can help the libraries', with special reference to trade literature.

The third meeting of the Northern Branch was held on 9 December, 1949, at Liverpool, when Mr. S. C. Jennings, of Dunlop Rubber Co., Ltd., gave a talk on 'The organization of works visits', and was followed by Mr. E. N. Simons speaking on 'The preparation of technical literature'. These meetings were reported respectively in the November and December, 1949, issues of *Aslib Information*.

The present number of members of the Northern Branch is 206, 27 other members being transferred during the year to the newly formed Scottish Branch. The officers of the Branch are as follows: Chairman, Mr. R. Brightman; Vice-Chairman, Mr. E. N. Simons; Honorary Secretary, Miss L. Wolff; Honorary Treasurer, Dr. J. C. Withers.

The Scottish Branch

The decision that the formation of a Scottish Branch, as distinct from the existing Northern Branch of Aslib, was desirable was taken at the Edinburgh Meeting of the Northern Branch reported above. The Steering Committee of the Conference organized a postal ballot to elect an Interim Committee to conduct the preliminary negotiations. Dr. D. G. Brown was elected Chairman, Mr. C. J. Shimmins, Clydesdale & North of Scotland Bank, was re-elected Honorary Treasurer, and Mrs. Margaret Spence, Scottish Seaweed Research Association, continued as Honorary Secretary.

The Interim Committee has already organized a joint meeting with the Edinburgh and East of Scotland Branch of the Library Association on 26 October, and has in hand a programme of meetings and a one-day conference for 1950.

Conferences and Meetings

The 1948 Annual Conference was held at Ashorne Hill, near Leamington Spa during the week-end 17 to 20 September. A full account, with the papers presented, was published in *Aslib Proceedings*, Vol. 1, No. 2.

The 1949 Annual Conference was also held at Ashorne Hill during the week-end 9 to 11 September; papers and an account of the meeting are being published in *Aslib Proceedings*, Vol. 1, No. 4.

During the 18 months under review, in addition to the meetings organized by the Northern and Scottish Branches, a number of afternoon or evening meetings of Aslib members was held in London. In most cases the papers given at these meetings will be printed, in whole or in summary, in *Aslib Proceedings*, but a list of dates and speakers is given overleaf:

1948

29 September (jointly with the Society for Visiting Scientists). Dr. R. S. Ranganathan, President of the Indian Library Association, on 'A self-perpetuating classification. The need and the possibility.' (Published in the *Journal of Documentation*, Vol. 4, No. 4, March, 1949.)

27 October Standardization in documentation. A discussion to which contributions were made by Mr. G. A. Lloyd, Mr. F. L. Kent and Miss E. M. R. Ditmas.

17 November Symposium on Classification. 'Fundamentals of the Bliss Classification' by Mr. L. A. Burgess, and 'Fundamentals of Ranganathan's Colon Classification' by Mr. A. J. Wells.

15 December Mr. G. A. Shires, 'Information from the advertisement pages,' and Mr. J. E. Wright, 'Re-arrangement and re-cataloguing of a library of books'.

1949

16 February Symposium on microphotography from the users' point of view: contributions by Mrs. L. Moholy, Mr. H. R. Verry and Mr. H. Wilson.

23 March Mr. J. P. Lamb, 'The Sheffield system of interchange of technical periodicals,' and Mr. Geoffrey R. Edwards, 'The Royal Society of Medicine's service to medical libraries'.

5 October Two special library problems. Mr. W. G. Watts and Mr. B. Chibnall on 'Putting the special library over to its users', and Mr. C. W. Hanson and Mr. D. C. Henrick Jones on 'The best use of library statistics'.

2 November Dr. Alexander King, 'The activities of the "King" Committee' (Technical Information Services Panel of the Research and Productivity Committee of the Advisory Council on Scientific Policy), and Dr. D. C. Martin, 'The practical results of the Royal Society's 1948 Scientific Information Conference'.

2 December A discussion on the Unesco/Library of Congress Bibliographical Survey, second interim report, opened by Mr. Geoffrey Woledge.

The Conference and Meetings Committee as elected in January, 1948, remained in office until September, 1949, when Council invited the following to serve:

Mr. H. Hyams (Chairman), Mr. W. Ashworth, Miss F. M. Birkett, Mr. R. Brightman, Miss M. Couldrey, Mr. C. E. C. Hewetson, Mr. F. L. Kent, Miss Barbara Kyle, Mrs. J. Lancaster-Jones, Miss L. G. Thomerson.

A sub-committee, consisting of Miss Barbara Kyle (Chairman), Miss F. M. Birkett, Mr. C. E. C. Hewetson, Mrs. J. Lancaster-Jones and Miss L. G. Thomerson, was appointed to organize the 1949-50 winter meetings which, by the courtesy of the Institution of Electrical Engineers, have again been held in the Institution's lecture room.

Education

The Education Committee appointed in January, 1948, served until September, 1949.

The training of the Information Officer, and the desirability or otherwise of instituting a qualification for such officers, had been one of the main themes at the 1948 Annual Conference, but the voting for and against was so even that the question was referred back to the Aslib Council. The Council felt that, in view of the lack of conclusive evidence of an immediate need for a paper qualification for Information Officers, Aslib's most appropriate course of action for the present would be to take a continuing interest in the training of non-public librarians, with special reference to the revised syllabus for the Library Association examinations, and to organize courses of instruction in information work.

An Aslib Study Course for newcomers to information and special library work was organized from 26 to 29 April, 1949, and was held, as in former years, at Chaucer House by courtesy of the Library Association. Mr. C. W. Hanson and Miss J. Fulford, Information Officer and Librarian respectively of the British Scientific Instrument Research Association, designed the course as a whole on the theme, 'The technique of handling enquiries'. Over 80 students registered for the course which, as usual, included a number of visits to special libraries.

A course of ten lectures for senior Information Officers was also organized, starting in May, 1949, with average attendance of 35 for each lecture. The lecturers and subjects are listed below:

20 May	Dr. B. J. A. Bard	'The value of an information service.'
21 May	Mr. Stephen Heald	'Special factors in the organization of information services.'
10 June	Mr. R. L. W. Collison	'The technique of answering enquiries,' Part I.
11 June	Mr. R. L. W. Collison	'The technique of answering enquiries,' Part II.
24 June	Miss K. M. L. Simpson	'The co-ordination of information work in a research organization.'
25 June	Dr. J. C. Withers	'Information Bureau administration.'
8 July	Mr. F. C. Francis	'Editorial procedure: description of recently agreed standards of layout, etc.'
9 July	Dr. J. G. Cockburn	'Subject indexes to complete volumes of periodicals.'
22 July	Miss Ruth M. Jacobs	'Information from House Journals.'
23 July	Mr. G. Goulden	'Use of trade catalogues in information work.'

In September, 1949, at the first meeting of the new Aslib Council, the following were invited and agreed to serve on the Education Committee:

Dr. V. E. Parke (Chairman), Mr. D. V. Arnold, Dr. W. Bonser, Miss M. Couldrey, Mr. A. E. Cummins, Mr. C. W. Hanson, Miss Barbara Kyle, Mrs. J. Lancaster-Jones, Mr. E. R. McColvin and Mr. C. W. Pendleton.

This Committee did not meet again in 1949 but, very early in 1950, was responsible for organizing the 1950 study course for beginners in special library work.

Publications

The Publications and Editorial Committee appointed in January, 1948, continued in office under the Chairmanship of Dr. R. S. Schultze until September, 1949. The *Journal of Documentation* continued to be edited by an Editorial Board consisting of Mr. F. C. Francis, Dr. D. J. Urquhart, Mr. G. Woledge, and Miss E. M. R. Ditmas as Managing Editor. A small committee was set up to advise the Director on the production of *Aslib Proceedings* as and when required. The Committee included Mr. D. V. Arnold, Mr. J. J. Eaton, Dr. R. S. Schultze, Mr. J. E. Wright and the Director.

Mr. D. V. Arnold has kindly consented to continue to act as Honorary Advisory Editor of the *Aslib Book-List* which has been issued monthly since March 1948. The monthly bulletin, *Aslib Information*, remains the house journal of the organization.

As reported in the *Year's Work of Aslib*, 1947-8, published in *Aslib Proceedings*, Vol. 1, No. 2, material hitherto published in the *Proceedings of the British Society for International Bibliography* and the Aslib *Reports of the Proceedings of the annual conference* is now being printed in *Aslib Proceedings*. This new Aslib periodical is scheduled to appear four times in the year but the Council's decision to reduce the number of senior staff in an effort to balance the budget in 1950, together with the additional load on the Director's time arising from negotiations with the Department of Scientific and Industrial Research concerning the grant, the search for new premises and the large-scale reorganization within Aslib consequent upon Miss Ditmas's resignation from the Directorship, all had an adverse effect upon the punctual publication of the 1949 issues. A determined effort is being made to catch up on arrears during 1950.

During the period under review, in addition to the issue of its periodicals, Aslib's chief publishing activities were concerned with the printing of three *Guides to sources of information in Great Britain*. These were No. 2: *Agriculture and allied interests* (May, 1949); No. 3: *Beverages and Food* (July, 1949); No. 4: *Textiles and allied interests* (December, 1949).

Mr. S. Trehearne Cope's bibliography on *Heraldry, flags and seals*, first published in the *Journal of Documentation*, Vol. 4, No. 2, was issued as a separate offprint at the end of 1948.

The new Publications and Editorial Committee appointed by the new Aslib Council in September, 1949, consisted of the following:

Dr. R. S. Schultze (Chairman), Mr. D. V. Arnold, Mr. W. Ashworth, Mr. J. J. Eaton, Mr. B. Fullman, Mr. L. M. Harrod, Mr. W. R. Le Fanu, Professor R. S. Hutton, Mr. E. R. McColvin, Miss L. G. Thomerson, Mrs. A. M. Whitrow and Mr. G. Woledge.

Information and Library Section

The committee appointed in January, 1948, continued in office until September, 1949.

During the 18 months under review 4,162 enquiries were recorded in the Information Section, there were 146 requests for registered translators, and 3,319 items were ordered through the Document Reproduction Service.

The library continued to develop as much as was possible in the intolerably over-crowded conditions at Bloomsbury Street. Over 100 periodicals are received regularly, and Aslib's valuable collection of specimen copies of specialist journals is steadily growing. (A list of the more important periodicals received regularly was printed in the July, 1949, issue of *Aslib Information*.) Five hundred and seventy-seven books and pamphlets have been accessioned for the Aslib library

during this period, and 722 loans have been made from the Aslib collection. The move to new premises, and the provision of adequate bookcases, pamphlet boxes and indexes, should greatly facilitate the proper growth of the library as a tool for Aslib's work.

The compilation of the Aslib *Guides to sources of information in Great Britain* and the monthly *Aslib Book-List* both form part of the work of the Information Section, and, in addition, Aslib organizes annotations on recently printed British scientific and technical books for *British Book News*.

The potentialities of the Aslib Register of Specialist Translators and the embryo Aslib index to scientific and technical translations occupied much of the time of the Information and Library Committee following the specific recommendations for their development made at the Royal Society's Scientific Information Conference in June, 1948. While agreeing that it was in conformity with Aslib's policy that these services should be developed, action in 1949 was postponed until such time as the problems of new premises and reorganization of the Aslib staff had been solved. Means to implement the Royal Society's recommendations remain, however, as a priority for consideration by the new Director in 1950.

In September, 1949, the following were invited by the new Aslib Council and agreed to serve on the Information and Library Committee:

Mr. F. L. Kent (Chairman), Mr. R. L. W. Collison, Miss M. Gosset, Dr. W. O. Hassall, Mr. J. P. Lamb, Mr. A. E. Tooke, Dr. D. J. Urquhart, Mr. W. E. White and Mr. H. J. Watling.

Committee on the Mechanized Distribution of Information

This Committee, originally set up in 1947 at the request of the Department of Scientific and Industrial Research to discuss the uses of mechanization in library and technical information work, met twice during the autumn of 1948. It was then agreed that the first phase of its work had been completed but that, particularly in view of recommendations made at the Royal Society's Scientific Information Conference, there still remained valuable work that could be done by it. The Committee, therefore, remains in being, and Aslib retains its special interest in the collection of data concerning the application of mechanization to library problems. The Committee did not, however, meet during 1949, and the attempt to circulate current information to its members by post proved unsatisfactory. A reconsideration of its functions will be one of the tasks for 1950.

The British National Committee on Documentation

During the period under review Aslib has continued to provide the secretariat for the British National Committee on Documentation which was inaugurated in the early part of 1948 for the purpose of promoting the co-ordination of documentation in the United Kingdom, and to be the British National Committee of the International Federation for Documentation in succession to the British Society for International Bibliography. Aslib also undertook the distribution in the U.K. of the *Review of Documentation* for the International Federation for Documentation. As stressed by the Chairman of Council, Mr. C. Le Maistre, at the 1949 Annual Conference of Aslib, Aslib's particular interests in special librarianship and documentation make it very desirable that it should be in contact with international documentation developments, but the degree to which it should participate in such movements, and the extent of the support which it can give, in cash or in kind, are matters which must receive the close attention of the Aslib Council.

British Union Catalogue of Periodicals

It is with the greatest regret that we have to report the sudden death, on 29 December, 1949, of Dr. Alfred Loewenberg, Editor and Executive Secretary of the British Union Catalogue of Periodicals. Mr. J. D. Stewart, Chief Librarian of the Bermondsey Public Library, has been appointed as his successor.

Representatives of Aslib on the BUCOP Council for 1948-9 were:

Dr. W. Bonser, Mr. A. E. Cummins (succeeded by Mr. F. L. Kent in September, 1949), Mr. John Hampden and Professor R. S. Hutton.

A report on BUCOP is being published in *Aslib Proceedings*, Vol. 1, No. 4.

Relations with other Organizations

As Director, Miss E. M. R. Ditmas continued to represent Aslib on the National Co-operating Body for Libraries of Unesco. During the period under review the following subjects received special consideration: the Unesco scheme for Book Coupons; Unesco's International Conference on Scientific Abstracting held in 1949; Copyright; and the Unesco/Library of Congress Bibliographical Survey. Aslib was also represented by three members—Mrs. J. Lancaster-Jones, Mr. W. R. Le Fanu and Miss Ditmas—on the Unesco Sub-Committee for Library Co-operation with C.A.R.E. (Co-operative for American Remittances to Europe Inc.) to organize the distribution in the U.K. of books sent from the U.S.A. for British libraries.

Aslib has continued to be closely concerned with the documentation activities of the British Standards Institution, being represented on the sub-committees responsible for the English edition of the U.D.C., the standardization of the terminology of document reproduction, the materials for document reproduction, and the transliteration of Cyrillic characters, as well as on the main Technical Committee OC/20 Documentation Standards.

The Director represented Aslib on the Council and on the Executive Committee of the National Book League, and in particular served on the special *ad hoc* committee which considered the N.B.L.'s proposals for the provision of books to industry.

Aslib representatives continued to serve on the Syllabus Sub-committee of the Education Committee of the Library Association, with special reference to the provision in the revised syllabus of subjects suitable for students coming from non-public libraries.

Aslib helped in the organization of the vacation course on library co-operation held during the week 4 to 9 April, 1949, by the University of London School of Librarianship and Archives. Mr. D. Grenfell, Information Officer of Aslib, attended and acted as group editor for special libraries. (An account of the course, under the title 'An inquiry into co-operation', by R. Stavely, was published in the *Journal of Documentation*, Vol. 5, No. 2.)

Close contacts with international organizations were maintained throughout the period, and Miss Ditmas, as Chairman of the Joint IFLA/FID Committee on Special Libraries and Centres of Information, attended the fourteenth session of the International Library Committee of the International Federation of Library Associations during its London meeting in September, 1948. Mrs. J. Lancaster-Jones represented the British National Committee at the Paris meeting of the Council of the International Federation for Documentation in June, 1949; and,

in his capacity of President of the F.I.D., Mr. C. Le Maistre has continued to keep Aslib in close touch with that body and with Unesco. There has also been considerable correspondence between Aslib and a number of American organizations engaged in similar work. Aslib, of course, through its own membership has contacts in all parts of the world, and it is worth recording that, in spite of the overcrowding at the old premises, Aslib was again asked to accept student workers, amongst whom we were glad to welcome Miss M. E. McGrath from the South African Institute for Medical Research, and Mr. A. Sabet, introduced by the Egyptian Education Bureau.

Other organizations on which Aslib was represented during the year were the National Central Library (Mrs. J. Lancaster-Jones), the Council of the British National Bibliography (the Director), and the British National Committee on Building Documentation (Mr. P. May, succeeded by the Director).

No report on the year's work of Aslib would be complete without a tribute to those members and Committees who have given so freely of their time and energies to Aslib's affairs and to those other members who, in countless ways ranging from voluntary clerical help at Conferences or in the Aslib office to co-operation in the location of information, have added their vitally important contribution to Aslib's development. Whatever service Aslib has been able to render to members in the past, and however far it is able to progress in the future, it must always be recognized that its success and its stability lie rooted in the faith and support of its members.

March 1950

G. WOLEDGE
Secretary

ASLIB

BALANCE SHEET

AND

ACCOUNTS

31 December 1949

ASLIB

BALANCE SHEET, 31 DECEMBER, 1949

1948 £	1948 £		1949 £	1949 £
		CAPITAL GRANTS FROM DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH :		
—		For Furniture and Equipment		1,159
		INCOME AND EXPENDITURE ACCOUNT :		
—		Balance at this date		662
		CURRENT LIABILITIES :		
1,409		Midland Bank Ltd. Overdraft	1,023	
1,236		Printing of Publications	963	
66		Royalties on Publication Sales	58	
595		Expenses accrued due..	714	
137		Subscriptions received in advance	178	
	3,443			2,936
	£3,443			£4,757

1948 £	1948 £		1949 £	1949 £
		FURNITURE, FITTINGS AND EQUIPMENT :		
—		At cost of acquisition from old Company ..	657	
	657	Additions (less sales) during year	596	
				1,253
		EXCESS OF LIABILITIES OVER ASSETS TAKEN OVER FROM ASSOCIATION OF SPECIAL LIBRARIES AND INFORMATION BUREAUX	609	
	609	Less Grant from D.S.I.R.	609	
				—
		CURRENT ASSETS:		
360		Stock of Publications	928	
207		Documentary Reproduction Service Work in Progress	70	
427		Debtors for Publications and Services ...	561	
131		Subscriptions in arrear	486	
1,000		D.S.I.R. Grant receivable	1,386	
40		Sundry Debtors and Payments in advance ..	59	
12		Cash in Hand	14	
	2,177			3,504
	£3,443			£4,757

REPORT OF THE AUDITORS TO THE MEMBERS OF ASLIB

We have audited the above Balance Sheet and annexed Income and Expenditure Account and have obtained all the information and explanations which to the best of our knowledge and belief were necessary for that purpose. So far as appears from our examination, proper books of account have been kept by the Association. In our opinion and to the best of our information and according to the explanations given to us, the Balance Sheet and Income and Expenditure Account which are in agreement with the books of account, give the information required by the Companies Act, 1948, in the manner so required and also a true and fair view of the state of the Association's affairs as at 31st December, 1949, and of the surplus for the period to that date.

SARDINIA HOUSE,
52 LINCOLN'S INN FIELDS, LONDON, W.C.2.
14 March, 1950.

WEST AND DRAKE,
Chartered Accountants.

Signed: J. E. WRIGHT, *Hon. Treasurer.*
G. WOLEDGE, *Hon. Secretary.*

APPROPRIATION ACCOUNT for the Year ended 31 DECEMBER, 1949

	£		£
FORMATION EXPENSES	133	NET SURPLUS FOR YEAR TO 31 DECEMBER, 1949	795
BALANCE AS AT 31 DECEMBER, 1949, carried forward	662		
	£795		£795

1948 £	1948 £		1949 £	1949 £
		SALARIES :		
2,022		Administration	1,604	
371		Membership	420	
	2,393			2,024
		RENT AND GENERAL OFFICE EXPENSES :		
373		Rent, Water Rate and Hire of Rooms ..	364	
78		Light and Heat	70	
488		Printing and Stationery	386	
442		Postages and Telephone	503	
41		Travelling Expenses	35	
347		Office Expenses	241	
10		Insurance	11	
45		Bank Charges	92	
52		Audit Fee	52	
1,876			1,754	
		Less Charged to Special Departments :		
—		Publications (15%) £263		
—		Documentary Reproduction (15%) 263		
625		Library and Information (20%) .. 351	877	
	1,251			877
	3,644			2,901
		PRINTING COSTS OF FREE COPIES TO MEMBERS :		
160		Book-List	262	
357		Journal of Documentation	453	
333		Bulletin	277	
—		Proceedings	308	
	850			1,300
	350	WORK CARRIED OUT ON BEHALF OF THE BRITISH COUNCIL		350
		GRANTS TO ASLIB :		
15		Northern Branch	15	
—		Scottish Branch	10	
	15			25
	—	EXPENSES OF MEMBERSHIP DRIVE ..	124	
—		*Less* Grant from D.S.I.R.	124	
				—
		NET COST OF SPECIAL DEPARTMENTS :		
624		Deficit on Documentary Reproduction ..	769	
248		Library and Information ..	1,899	
			2,668	
1,150		*Less* Surplus on Publications	183	
	2,022			2,485
	—	NET SURPLUS CARRIED TO APPROPRIATION ACCOUNT		795
	£6,881			£7,856

1948 £	1948 £		1949 £	1949 £
		MEMBERSHIP SUBSCRIPTIONS :		
2,413		British	3,603	
542		Foreign	659	
	2,955			4,262
		GRANTS AND CHARGES FOR SERVICES :		
1,800		Department of Scientific and Industrial Research	3,000	
350		British Council	350	
25		British Union Catalogue of Periodicals ..	25	
	2,175			3,375
	35	SUNDRY RECEIPTS		8
1,104		FEES RECEIVED FOR CONFERENCES AND MEETINGS	1,383	
932		*Less* Expenses thereof	1,172	
	172			211
	1,544	(Deficit carried to Appropriation Account)		—
	£6,881			£7,856

INCOME AND EXPENDITURE ACCOUNTS for the Year ended 31 DECEMBER, 1949

PUBLICATIONS

1948 £	1948 £		1949 £	1949 £
	328	Stocks on Hand at 31 December, 1948,		360
		Publication Expenses (including Editor's Salary) :—		
	1,000	General Literature		678
529		Book List	522	
1,039		Journal of Documentation	837	
333		Bulletin	278	
—		Proceedings	452	
1,901			2,089	
850		*Less* Cost of free copies to Members ..	1,300	
	1,051			709
288		Salaries	535	
625		Rent and General Expenses	263	
	913			798
	—	SURPLUS FOR YEAR carried to General Income and Expenditure Account		183
	£3,292			£2,808

1948 £	1948 £		1949 £	1949 £
		SALES :		
	1,342	General		698
299		Book-List	370	
514		Journal of Documentation	477	
—		Bulletin	—	
—		Proceedings	112	
	813			959
				1,657
	153	Advertisements		222
	360	Stocks on Hand at 31 December, 1949		929
	604	(Deficit for year)		
	£3,292			£2,808

DOCUMENTARY REPRODUCTION SERVICE

—	Work in Progress at 31 December, 1948 ..	207	
276	Reproduction Costs	249	
443	Salaries	639	
—	Rent and General Expenses	263	
£719		£1,358	

264	SALES		519
207	Work in Progress at 31 December, 1949 ..		70
248	DEFICIT FOR YEAR carried to General Income and Expenditure Account.. ..		769
£719			£1,358

LIBRARY AND INFORMATION

1,085	Salaries—Information Department	1,482	
65	Reference Books	66	
—	Rent and General Expenses	351	
£1,150		£1,899	

1,150	DEFICIT FOR YEAR carried to General Income and Expenditure Account	1,899
£1,150		£1,899